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19 July 2007

Proj. No.: H0287D File Loc.: Long Beach

Mr. John Nebu Department of Toxics Substances Control 5796 Corporate Avenue Cypress, California 90630

Dear Mr. Nebu:

RE: SECOND QUARTER 2007 GROUNDWATER MONITORING REPORT, ASSOCIATED PLATING COMPANY, 9636 ANN STREET SANTA FE SPRINGS, CALIFORNIA

WorleyParsons Komex is pleased to submit the attached Second Quarter 2007 Groundwater Monitoring Report for the Associated Plating Company (APC) located at 9636 Ann Street, in the city of Santa Fe Springs, California. This report presents the results obtained from the groundwater sampling conducted at the APC facility in May 2007. If you have any questions or comments, feel free to call at (310) 547-6349.

Sincerely, WorleyParsons Komex

Lee Paprocki, P.G. Project Manager

Lee Paprochi

CC:

Mr. Michael Evans Associated Plating Corporation 9636 Ann Street Santa Fe Springs, CA 90670

Mr. Clare Golnick FX-6: Personal Privacy

> Mr. Dave Klunk Santa Fe Springs Fire Department Hazardous Materials Division 11300 Greenstone Avenue Santa Fe Springs, CA 90670

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ASSOCIATED PLATING COMPANY

Second Quarter 2007 Groundwater Monitoring Report

Associated Plating Company, 9636 Ann Street, Santa Fe Springs, California

H0287D

19 July 2007

Environment & Water Resources

3901 Via Oro Ave., 1st Floor Long Beach, CA 90810 USA Telephone: +1 310 547 6400 Facsimile: +1 310 547 6410 worleyparsons.com

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Lee Paprocki, a California Professional Geologist, as an employee of WorleyParsons Komex, with expertise in contaminant assessment and remediation, and groundwater hydrology, has reviewed the report with the title Second Quarter 2007 Groundwater Monitoring Report, APC Facility, 9636 Ann Street, Santa Fe Springs, California. Her signature and stamp appear below.

LEE PAPROCKI

Lee Paprocki

Professional Geologist 7749

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LIST OF ACRONYMS AND ABBREVIATIONS

APC

Associated Plating Company

bgs

below ground surface

cis-1,2-DCE

cis-1,2-dichloroethene

COC

chain-of-custody

DTSC

Department of Toxic Substances Control

DWR

Department of Water Resources

ft/ft

feet per foot

LNAPL

light non-aqueous phase liquid

MSL

mean sea level

ug/L

micrograms per liter

mg/L

milligrams per liter

ml

milliliter

QA

quality assurance

QC

quality control

PCE

tetrachloroethene

TCE

trichloroethene

TPH

total petroleum hydrocarbons

trans-1,2-DCE

trans-1,2-dichloroethene

VC

vinyl chloride

VOA

volatile organic analysis

VOCs

volatile organic compounds

1. INTRODUCTION

This document has been prepared by WorleyParsons Komex on behalf of the Associated Plating Company (APC). The report summarizes the groundwater sampling conducted at 9636 Ann Street, Santa Fe Springs, California (herein referred to as the Site). The Site is located in Santa Fe Springs, California at an elevation of approximately 150 feet above mean sea level (MSL) with a local topographic gradient of less than 20 feet per mile to the southeast (Figures 1 and 2).

Monitoring wells, MW-1 through MW-4, were installed at the Site on April 5 and 6, 2006 (Table 1) and were first sampled a week later (Figure 3). Groundwater sampling and analysis completed at the Site during April 2006 identified the presence of chlorinated solvents and petroleum hydrocarbons.

The Department of Toxic Substances Control (DTSC), in their letter dated December 14, 2005 and in a meeting on August 22, 2006, requested that quarterly groundwater sampling be continued for one year. Therefore, second quarter groundwater sampling was conducted in May 2007 and is summarized in this report.

1.1 Geology and Hydrogeology

1.1.1 Regional Geology and Hydrogeology

Los Angeles County is underlain by the Los Angeles County Coastal Plain and is bounded by the Santa Monica Mountains to the north, the low lying Elysian, Repetto, Merced, and Puente Hills to the northeast, a political boundary coinciding with the boundary between Los Angeles County and Orange County to the southeast, and the Pacific Ocean to the southwest. Alluvial fans formed by the Los Angeles, Rio Hondo, and San Gabriel Rivers systems have coalesced to form the Downey Plain, which represents the largest area of recent alluvial deposition in the Coastal Plain. The Downey Plain is bordered by the La Brea, Montebello, and Santa Fe Spring Plains, and the Coyote hills to the north and northeast, the Newport Inglewood uplift to the southwest, and the Coastal Plain of Orange County to the southeast (DWR, 1961). The Downey Plain slopes gently to the south with an average gradient of less than 18 feet per mile. The Site is located between the Downey Plain and the Santa Fe Springs Plain. The Santa Fe Springs Plain is located south of Whittier and east of the San Gabriel River, in the area of the City of Santa Fe Springs. The Santa Fe Springs Plain is a low, slightly rolling topographic feature and represents a continuation of the Coyote Hills Uplift to the southeast.



The Coastal Plain of Los Angeles County is a deep groundwater reservoir filled by unconsolidated alluvial sands, gravels, clays, and silts. Fresh-water aquifers extend to depths of over 2,000 feet. The California Department of Water Resources (DWR) divided the coastal plain into four groundwater basins: the Santa Monica Basin, the West Coast Basin, the Hollywood Basin, and the Central Basin (DWR, 1961). The Site lies within the Central Basin, which is further divided into four parts for descriptive purposes: the Los Angeles Forebay Area, the Montebello Forebay Area, the Whittier Area, and the Central Basin Pressure Area.

The Site is located in the Central Basin Pressure Area. The Central Basin Pressure Area is called a "pressure area" because the aquifers within it are confined by aquicludes over most of the area. The major regional aquitards and aquifers beneath the Site occur in the Recent Alluvium, the Upper Pleistocene Lakewood Formation, and the Lower Pleistocene San Pedro Formation. Depth intervals for the major regional hydro-stratigraphic units (aquitards and aquifers) in the Site vicinity are presented in the table below:

Regional Hydro-stratigraphic Unit	Formation	Approximate Depth Intervals (feet below ground surface)
Bellflower Aquitard	Recent Alluvium	0 – 30
Gaspur	Recent Alluvium	30 – 65
Gage	Lakewood	65 - 110
Hollydale-Jefferson	San Pedro	110 - 130
Lynwood	San Pedro	130 – 210
Silverado	San Pedro	210 – 360
Sunnyside	San Pedro	360 - 610

1.1.2 Site Geology

The Site is underlain with artificial fill composed primarily of silt from the ground surface to an approximate depth of 7 feet below ground surface (bgs). At approximately 7 feet bgs a concrete pad is encountered, which is approximately four inches thick. Underlying the concrete pad is a silt and clay layer that extends to approximately 25 feet bgs. Below the silt and clay layer is a sand and gravelly



sand layer that extends to at least 48 feet bgs (Figure 4). Both the slit and clay layer and the sand and gravel layer correspond to the Recent Alluvium.

1.1.3 Site Hydrogeology

In April 2006, first groundwater was detected between 34 and 38 feet bgs (approximately 112 feet MSL) and corresponds to the Gaspur Aquifer. In May 2007, water levels were between 33.26 and 37.32 feet bgs. Groundwater flow varies between the southwest and south-southeast at an approximate gradient of 0.003 feet per foot (ft/ft).

1.2 Site Conceptual Model

In accordance with the Site conceptual model developed below, the subsurface at the Site and Site vicinity was previously divided into three operable units: Operable Unit 1 (OU-1), Operable Unit 2 (OU-2), and Operable Unit 3 (OU-3) (Figure 4). OU-1 consists of fill material underlying the Site from ground surface to the top of the buried concrete pad (approximately 7 feet bgs). OU-2 consists of on-Site soils and the first groundwater zone, from the base of the concrete pad to approximately 50 feet bgs. OU-3 consists of the off-Site soils and the first groundwater zone.

Fill material in OU-1 is impacted by petroleum hydrocarbons (C7 to C36), fuel volatile organic compounds (VOCs), probably representing pre-existing contamination from the former storage tank, and chlorinated solvent compounds, consistent with releases of tetrachloroethene (PCE) from the APC facility.

2. GROUNDWATER SAMPLING

2.1 Groundwater Gauging and Sampling Procedures

Well construction details for the four groundwater monitoring wells (MW-1 through MW-4) are included in Table 1. On May 16, 2007, the four monitoring wells were gauged, then purged and sampled. Following gauging, the wells were purged of at least three well volumes of water, allowed to recover, and then sampled. Groundwater gauging and sampling field notes are provided in Appendix 1.

2.2 Waste Disposal

Waste generated as part of this investigation included purged groundwater and decontamination water used during sampling. Water was contained in two Department of Transportation (DOT) approved 55-gallon drums and temporarily stored at the Site prior to disposal. On June 8, 2002, groundwater and decontamination water were removed from the Site and transported to a suitable off-Site disposal facility by a licensed non-hazardous waste hauler. The waste manifest is provided in Appendix 2.

2.3 Quality Assurance/Quality Control Sampling

Field quality assurance/quality control (QA/QC) samples were collected on May 16, 2007, during groundwater sampling activities. An equipment rinsate blank was collected from the groundwater electric pump by running distilled water through the pump hose into two 40-milliliter (ml) volatile organic analysis (VOA) vials. A field blank was collected by filling two 40 ml VOA vial with distilled water, leaving them exposed to ambient air during collection of the equipment blank, and then sealing them. A trip blank, consisting of one sealed 40 ml VOA vial filled with distilled water, was obtained from the laboratory and kept in the ice-chest throughout the day to evaluate if there was any introduction of VOCs during storage and transportation.

2.4 Laboratory Analyses

Monitoring well groundwater samples and QA/QC samples were labeled, placed in an ice chest, and delivered under chain-of-custody (COC) to Sierra Analytical Inc. of Laguna Hills, California, within 24 hours of collection. The samples were analyzed for the following:



- Total petroleum hydrocarbons (TPH), ranging from C7 to C36, in accordance with USEPA Method 8015B; and
- VOCs in accordance with USEPA Method 8260B.



GROUNDWATER RESULTS

3.1 Groundwater Results

Groundwater depths in the four monitoring wells ranged from 33.26 to 37.32 feet bgs (113.67 to 113.45 feet MSL) (Table 2). During this sampling event, groundwater flow was generally towards the southwest at a gradient of 0.003 ft/ft (Figure 5).

A sheen of light non-aqueous phase liquid (LNAPL) was observed on the product level probe in two monitoring wells: MW-3 and MW-4.

Groundwater gauging and laboratory analytical results are provided in Tables 2, 3 and 4. The complete laboratory report, including COC and laboratory QA/QC analyses, is provided in Appendix 3.

TPH groundwater results are presented in Table 3. Petroleum hydrocarbons were detected in groundwater collected from all four monitoring wells. The lateral distribution of TPH in groundwater for this sampling event is depicted in Figure 6. Overall, TPH concentrations in groundwater have decreased from April 2006 to May 2007. Within this year of groundwater monitoring, TPH concentrations have decreased from April 2006 to November 2006 and recently increased from November 2006 to May 2007.

VOC groundwater results are presented in Table 4 and Figure 7. Historical groundwater results are included in Table 4.

PCE has consistently not been detected above the laboratory reporting limits in groundwater collected from upgradient well MW-1. Trichloroethene (TCE) concentrations detected in groundwater collected from well MW-1 have increased significantly from 1.3 micrograms per liter (ug/L) in April 2006 to 41 ug/L in May 2007. Vinyl chloride (VC) concentrations detected in groundwater collected from well MW-1 have decreased from 20 ug/L in April 2006 to 13 ug/L in May 2007. Cis-1,2-Dichloroethene (cis-1,2-DCE) and trans-1,2- Dichloroethene (trans-1,2-DCE) concentrations in groundwater from well MW-1 have remained fairly constant at approximately 5 ug/L.

PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE have consistently not been detected above the laboratory reporting limits in groundwater collected from well MW-2. VC concentrations have decreased from 50 ug/L in April 2006 to 24 ug/L in May 2007.



PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE have consistently not been detected in groundwater collected from well MW-3. VC concentrations have decreased slightly in groundwater collected from well MW-3, from 53 ug/L in April 2006 to 32 ug/L in May 2007.

PCE concentrations in groundwater collected from well MW-4 have increased in groundwater, from 2.7 ug/L in April 2006 to 15 ug/L in May 2007. This quarter, TCE was detected in groundwater at a concentration of 4.0 ug/L. Trans-1,2-DCE was not detected above the laboratory reporting limit. Cis-1,2-DCE was detected in groundwater collected during the last three quarterly events, at concentrations between 1 and 2 ug/L. VC concentrations collected in groundwater from well MW-4 have consistently decreased every quarter, from a maximum detected concentration of 57 ug/L in April 2006 to a minimum concentration of 24 ug/L in May 2007.

3.2 QA/QC Analytical Results

The results of QA/QC sample analyses are provided in Table 5. A review of the laboratory analytical report indicates that all internal laboratory QA/QC calibration checks, matrix spike, and matrix spike duplicate recoveries were within acceptable ranges (Appendix 3). VOCs were not detected above the laboratory reporting limit in the field or trip blank. Despite proper decontamination procedures, two VOCs were detected in the equipment blank. 1,2,3-Trichloropropane and TCE were detected in the equipment rinsate blank at concentrations of 1.9 ug/L and 1.8 ug/L, respectively. 1,2, 3-Trichloropropane has not been detected in groundwater beneath the Site. The TCE detection of 1.8 ug/L is significantly less than maximum detected concentration of TCE (41 ug/L), but is of the same order as the minimum detected concentration of 4.0 ug/L of TCE. Therefore, the detection of 4.0 ug/L in well MW-4 is likely an estimate. For any future groundwater sampling, additional decontamination procedures will be performed.

4. CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

In May 2007, groundwater flow beneath the Site was towards the southwest at a gradient of 0.003 ft/ft and depth to groundwater ranged from to 33,26 to 37,32 feet bgs (113.67 to 113.45 feet MSL).

TCE concentrations have increased from April 2006 to May 2007 in groundwater collected from the upgradient well MW-1. VC concentrations in groundwater from well MW-1 have generally decreased. Generally, chlorinated solvent concentrations in downgradient groundwater have remained fairly constant. PCE, TCE, cis-1,2-DCE, and trans-1,2-DCE have consistently not been detected in groundwater collected from wells MW-2 and MW-3. Chlorinated solvent concentrations in groundwater collected from well MW-4 have remained fairly constant with the exception of PCE, which has increased, and VC which has decreased.

4.2 Recommendations

In accordance with the DTSC's request, a full year of quarterly groundwater sampling events have been conducted at the Site. Based on the contaminant trends, it is recommended that a year of semi-annual groundwater sampling be conducted. Based on the previous sampling schedule, the proposed semi-annual sampling schedule would consist of groundwater sampling in November 2007 and May 2008. Semi-annual groundwater reports would be submitted by January 31, 2008 and July 31, 2008, respectively.



5. CLOSURE

We trust that this report satisfies your current requirements and provides suitable documentation for your records. If you have any questions or require further details, please contact the undersigned at any time.

Respectfully Submitted:

WorleyParsons Komex

Lindsay Masters

Staff Geologist

Senior Review by

Lee Paprocki, PG

Project Manager



6. REFERENCES

DWR, 1961. Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County. Bulletin No. 104. Appendix A Ground Water Geology. State of California Department of Water Resources Southern District. Dated June 1961.



Table 1
Monitoring Well Construction Details
Associated Plating Company

Well ID	Drilling Method	Installation Date	Well Casing Diameter (inches)	Latitude	Longitude	Wellhead Elevation (feet amsi)	Top of Casing Elevation (ft amsl)	Well Depth (feet bgs)	Well Depth (feet amsl)	Screen Slot Size (inches)	Screened Interval (feet bgs)	Screened Interval (feet amsl)
MW-1	HSA	4/5/2006	2	33.9527753	-118.0593	147.36	146.93	43.0	103.9	0.01	33 to 43	114.35 to 104.35
MW-2	HSA	4/5/2006	2	33.9524570	-118.0592	149.81	149.41	47.0	102.4	0.01	37 to 47	112.79 to 102.79
MW-3	HSA	4/6/2006	2	33.9523123	-118.0593	151.06	150.67	47.0	103.7	0.01	37 to 47	114.04 to 104.04
. MW-4	HSA	4/6/2006	2	33.9522795	-118.0595	151.13	150.77	47.0	104.1	0.01	37 to 47	114.13 to 104.13

- 1) amsl = above mean sea level
- 2) bgs = below ground surface
- 3) HSA = hollow stem auger

Table 2
Groundwater Elevations
Associated Plating Company

Well ID	Top of Casing Elevation (feet amsi)	Date	Depth to Groundwater (feet btoc)	Product Thickness (feet)	Groundwate Elevation (feet arns!)
MW-1	146.93	04/12/06	34.33	Sheen	112.60
		08/31/06	33.03	Sheen	113.90
		11/13/06	33.55	Sheen	113.38
		02/14/07	33.80	Sheen	113.13
		05/16/07	33.26	0.00	113.67
MW-2	149.41	04/12/06	36.87	0.00	112.54
		08/31/06	35.62	Sheen	113.79
		11/13/06	36.05	Sheen	113.36
	0	02/14/07	36.29	Sheen	113.12
	÷	05/16/07	35.82	0.00	113 59
MW-3	150,67	04/12/06	38.20	Sheen	112.47
		08/31/06	36.89	0,00	113.78
	÷	11/13/06	37.38	0.01	113.30
		02/14/07	37.62	Sheen	113,05
		05/16/07	37.05	Sheen	113.62
MW-4	150,77	04/12/06	38.36	Sheen	112.41
		08/31/06	37.04	Sheen	113.73
		11/13/06	37.54	Sheen	113.23
	*	02/14/07	. 37.79	Sheen	112.98
		05/16/07	37.32	Sheen	113.45

¹⁾ bgs = Below ground surface

²⁾ amsl = above mean sea level

³⁾ bloc = below top of casing

⁴⁾ Groundwater elevations are corrected for the presence of measurable free product using a specific gravity of 0.88



Table 3
TPH Carbon Range Groundwater Results
Associated Plating Company

		MW-1	MW-1	MW-1	MW-1	MW-1		MW-2	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3	MW-3	MW-3		MW-4	MW-4	MW-4	MW-4	MW-4
Analyte	Units	4/12/06	8/31/06	11/13/06	2/14/07	5/16/07		4/12/06	8/31/06	1/06 11/13/06 2/14/07 5		4/07 5/16/07		8/31/06	11/13/06	2/14/07	5/16/07		4/12/06	8/31/06	11/13/06	2/14/07	5/16/07
<c8< td=""><td>mg/L</td><td><0.10</td><td><0.10</td><td><0.010</td><td><0.20</td><td><0.010</td><td></td><td><1,0</td><td>0.11</td><td>0.014</td><td><0.20</td><td><0.20</td><td><1.0</td><td>0.051</td><td>0.033</td><td><0.20</td><td><0.20</td><td></td><td><1.0</td><td>0.084</td><td>0.060</td><td><0.20</td><td><0.20</td></c8<>	mg/L	<0.10	<0.10	<0.010	<0.20	<0.010		<1,0	0.11	0.014	<0.20	<0.20	<1.0	0.051	0.033	<0.20	<0.20		<1.0	0.084	0.060	<0.20	<0.20
C8-C9	mg/L	<0.10	<0.10	<0.010	<0.20	<0.010	*	<1.0	0.040	<0.010	<0.20	<0.20	<1.0	0.014	<0.010	< 0.20	<0.20		<1.0	0.031	0.010	<0.20	< 0.20
C9-C10	mg/L	<0.10	<0.10	0.010	<0.20	0.030		1.1	0.073	<0.010	<0.20	<0.20	<1.0	0.030	0.018	<0.20	<0.20		<1.0	0.056	0.040	< 0.20	< 0.20
C10-C11	mg/L	0.33	0.13	0.029	<0.20	0.096		2.0	0.16	0.015	< 0.20	<0.20	<1.0	0.076	0.089	0.82	<0.20		<1.0	0.13	0.13	<0.20	< 0.20
C11-C12	mg/L	0.66	0.20	0.047	1.3	0.20		2.8	0.14	0.028	0.98	<0.20	<1.0	0.087	0.091	1.2	0.40	- *	<1.0	0.17	0.12	1.2	0.40
C12-C14	mg/L	5.1	1.2	0.28	1.2	0.79		5.9	0.70	0.17	1.4	1.0	<1.0	0.26	0.44	3.1	2.5		1.8	0.40	0.68	1.4	2.4
C14-C16	mg/L	6.7	1.6	0.42	1.7	0.87		5.8	0.76	0.16	1.5	1.8	1.5	0.34	0.43	2.5	2.5		5.4	0.56	0.46	1.4	2.4
C18-C18	mg/L	6.8	1.6	0.50	0.70	0.79		5.0	0.63	0.14	0.72	1.4	<1.0	0.24	0.37	1.9	1.8		4.4	0.39	0.42	1.2	1.9
C18-C20	mg/L	4.1	0.94	0.29	1.1	0.60	-34	3.6	0.54	0.18	1.1	1.7	1.1	0.19	0.27	1.6	2.0		4.0	0.27	0.27	0.60	2.0
C20-C24	mgÆ	12	2.4	0.71	1.8	1.4	7	7.0	1.1	0.083	1.3	2.2	<1.0	0.29	0.34	2.9	2.9		5.2	0.48	0.48	1.6	2.7
C24-C28	mgÆ	16	4.2	0.84	2.0	1.7		7.1	1.3	0.074	1.7	3.7	2.6	0.31	0.32	3.1	3.7		9.6	0.57	0.43	1.5	3,4
C28-C32	mg/L	12	3.9	0.62	2.9	0.78		10	1.1	0.16	2.6	7.0	35	0.23	0.27	4.0	5.9		27	0.46	0.30	2.4	5.9
>C32	mg/L	0.65	0.28	0.037	0.94	0.040		3,5	0.046	0.010	0.84	0.82	4.3	0.015	0.017	1.4	0.66	*	2.6	0.030	0.019	1.1	0.64
Total C7-C36	mg/L	65	16	3.8	14	7.3		54	6.7	1.0	12	20	46	2.1	2.7	23	22		60	3.6	3.4	12	22

¹⁾ TPH = total petroleum hydrocarbons (carbon range) analyzed using EPA Method 8015B

²⁾ mg/L = milligrams per liter

^{3) &}lt;0.10 = compound not detected at or above the indicated laboratory reporting limit

⁴⁾ Bold type indicates compound was detected.



Table 4
VOC Groundwater Results
Associated Plating Company

		Location MW-1	MW-1	MW-1	MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	E-WM	MW-3	MW-3	MW-4	MW-4	MW-4	MW-4	MW-4
Analyte	Units	Date 4/12/06	8/31/06	11/13/06	2/14/07	5/16/07	4/12/06 8	3/31/06	11/13/06	2/14/07	5/16/07	4/12/06	8/31/06	11/13/06	2/14/07	5/16/07	4/12/06	8/31/06	1/13/06	2/14/07	5/16/0
1,1,1,2-Tetrachlorgethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1,5	<1.0	<1.0	<1.0	1.5	<1.0
1,1,2-Trichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<f.0< td=""><td><1.0</td><td><1.0</td><td><1,0</td><td><1.0</td><td><1.0</td><td><1.0</td><td><1.0</td></f.0<>	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropylene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 -	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichioropropane	ug/L	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	₹1,0	≺1.0	<1.0	≺5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	≺1. 0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	23	3,4	1.4	<1.0	< 1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-Chloropropane (DBCP)	ug/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5,0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromoethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	≺1.0	≺1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1,0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	6.3	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0
1,3-Dichlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	. ≺1,0	≺1.0	<1.0	≺1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorogropane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	≺1.0	<1.0	≺1.0	₹1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	ug/L	<1.0 -	<1.0	<1.0	≺1.0	<1.0	≺1.0	<1.0	<1,0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Chlorotoluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Phenylbutane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	16	12	8.9	11	14	16	11	8,1	14	16	15	13	9.0	16	15
4-Chlorotoluene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzene	ug/L	1.3	<1.0	<1.0	<1.0	<1.0	2.3	3.1	2.8	3.0	2.6	2.0	3.7	3.4	2.9	2.1	3.6	7.6	8.4	6,9	6.2
Bromobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	≺1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	ug/L	<5.0	<1.0	<1.0	<1.0	<1.0	≺5.0	<1.0	≺1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
Butylbenzene,n-	ug/L	<1,0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1,0	<1,0	≺1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Tetrachloride	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CFC-11	ug/L	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1,0	<1,0	<1,0	<5.0	<1.0	<1.0	<1.0	<1.0
CFC-12	ug/L	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1,0	<1,0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	≺1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobromorriethane	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	≺1.0	<1.0	<1.0	<1.0	<1.0	<1.0	≺1.0	<1.0	<1.0	<1.0
Chlorodloromomethane	ug/L	<1.0	<1.0	<1.D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	ug/L	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1,0
Chloroform	ug/L	<1.0	≺1.0	<1.0	<1.0	<1.0	MATERIAL AND AND AND AND AND AND THE PERSON AND AND	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	ug/L	<5.0	<1.0	<1.0	<1.0	<1.0	and the second state of th	<1,0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene (cis 1,2-DCE)	ug/L	5.5	8.4	8,3	15	5.4	WTW19000-00-00-00-00-00-00-00-00-00-00-00-00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	1.1	2.2
cls-1,3-Dichloropropene	ug/L	<1.0	<1.0	<1.0	<1,0	<1,0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cymene	ug/L	3.2	1,8	2.0	2.4	2.3	4.1	3.2	2.9	3.4	4.1	1.4	<1.0	<1.0	<1.0	4.1	4.1	<1.0	2.6	4.3	4.0
Dibromomethane	ug/L	<1.0	<1.0	<1.0	<u></u> ≺1.0	≺1.0	TANAN MATATAL SALAS PARA PARA PARA PARA PARA PARA PARA PA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dijsopropyl Ether (DIPE)	ug/L	~1.0	<1.0	-1.4		71,0	projettes, reservinativajes eraprameas trottomas	<1.0	- 1+O	49	~1.0	~ 1.0	≺1.0	~1.0	~1.0	~1.0	×1.0	<1.0	~1.0	~1.U	~1.0

Table 5
Field Quality Assurance/Quality Control Sample Results
Associated Plating Company

		Sample Type		E	quipment Bla	ınk					Field Blank					Trip Blank		
12. 14		Sample Date	4/12/06	8/31/06	11/13/06	2/14/07.	5/16/07		4/12/06	8/31/06	11/13/06	2/14/07	5/16/07	4/12/06	8/31/06	11/13/08	2/14/07	5/16/07
alyte	Units	Sample ID	EB-41206	EB083106	EB-111306	EB-021407	EB-51607	- F	FB-41206	FB083106	FB-111306	FB-021407	FB-51607	TB-41206	TB083106	TB-111306	TB-21407	TB-51607
H - Carbon Range		•																
28	mg/L		<0.010	<0.010	<0.010	-			<0.010	<0.010	<0.010	-	44					
I-C9	mg/L	· · · · · · · · · · · · · · · · · · ·	<0.010	<0.010	<0.010	-			<0.010	<0.010	<0.010	40	wa				77	-
)-C10	mg/L	t purpose transmission que que en transmission parago, gargag	<0.010	<0.010	<0.010	-			<0.010	<0.010	<0.010	***	-		From and the control of the second se		Met () de - dell'her (her) de deue (her) de deue () de deue () de deue () de	and a second supplies of a second
I 0-C1 1	mg/L	***************************************	<0.010	<0.010	<0.010		44		<0.010	<0.010	<0.010		-	_		##	_	
1-C12	mg/L	DELET COLUMN ST. COLUM	<0.010	<0.010	<0.010			Make Malliness company of traps and finds and before about the behalften the	<0.010	<0,010	<0.010	***	==					4m
2-C14	mg/L	······································	<0.010	<0.010	<0.010	-			<0.010	<0.010	<0.010	*	-			<u>-</u>		***
14-C16	mg/L		<0.010	<0.010	<0.010		44		<0.010	<0.010	<0.010						And the second section of the second	DATA STORES AND STORES OF STORES
16-C18	mg/L	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<0.010	<0.010	0.038				<0.010	<0.010	<0.010	-				= -	**************************************	4+
18-C20	mg/L		<0.010	<0.010	0.048	=			<0.010	<0.010	<0.010	alm (all and all and and and are also a	-		and a second approve the second conjugation of			Education and Action of the Con-
20-C24	mg/L	i Again an Maragain ann an 1971 an Fainn ann an 1986 (na 1971 an 1971 an 1971 an 1971 an 1971 an 1971 an 1971 I Again an Maragain an 1971 an Fainn an Anna an 1986 (na 1971 an 1971 an 1971 an 1971 an 1971 an 1971 an 1971	<0.010	<0.010	0.089	<u> </u>			<0.010	<0.010	<0.010					almaga (1974 - 1974) (1974) (1974) (1974) (1974) (1974) (1974) (1974) (1974) (1974) (1974) (1974) 1874 1874 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974 1974		
24-C28	mg/L	s and not of task Times with successful consulting version walk in	<0.010	<0.010	0.064				<0.010	<0.010	<0.010			t ter periodores la supri sur la lla lla lla como mandella a su como me continuo malcorres, una ren de desta	An Andrews Andrews of Angelow of the Control	ultiden Deutschriften untwertenberkrieben welch	militaidem antika saler han ler sam Dalambrum, mesa sel Milita	
28-C32	mg/L	***************************************	<0.010	<0.010	0.080	_		······································	<0.010	<0.010	<0.010	_						48
32	mg/L		<0.010	<0.010	<0.010	_			<0.010	<0.010	<0.010			_	<u> </u>			_
otal C7-C36	mg/L	·	<0.050	<0.050	0,32	-			<0.050	<0.050	<0.050				**			
OG _{\$}	<u> </u>						*								i·			
1,1,2-Tetrachloroethane	ug/L		<1.0	<1.0	<1,0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	. <1.0	<1.0	<1.0	<1.0
1,1-Trichloroethene	ug/L	auto automora e non como unu entro	<1.0	<1.0	<1,0	₹1.0	<1.0		<1.0	<1.0	≺1.0	<1.0	<1.0	. <1.0	<1.0	<1.0	<1.0	<1.0
1,2,2-Tetrachloroethane	ug/Ł	· · · · · · · · · · · · · · · · · · ·	<1.0	<1.0	<1,0	<1,0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Trichloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1-Dichloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	_	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
-Dichloroethylene	ug/L		<1.0	<1.0	<1,0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1-Dichloropropylene	ug/L	riantelemetik kantaniariariahanten hatan Mitalaki	<1.0	<1.0	<1.0	<1.0	<1.0	us des describert de desde resentar en et sott en terror essere	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,3-Trichlorobenzene	ug/L	demande de la company de la co	<1.0	<1.0	<1.0	<1.0	<1.0	······································	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,3-Trichloropropane	ug/L		<5,0	<1.0	<1.0	<1.0	1,9	**************************************	<5.0	<1.0	<1.0	<1.0	<1.0	₹5,0	<1.0	<1.0	<1.0	<1.0
2,4-Trichlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	< 1 ,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,4-Trimethylbenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1,0	and the second of the second o	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0
2-Dibromo-3-Chloropropane (DBCP)	ug/L		<5.0	<5.0	<5.0	<5.0	<5.0		<5.0	<5.0	<5.0	<5,D	<5.0	<5.0	<5.0	₹5,0	<5.0	<5.0
2-Dibromoethane	ug/L	a . Marine see seemen . Marine James assesse.	<1.0	<1.0	<1.0	<1.0	<1.0	nassa a pagaman sancandan santan da baga garang sagaran sa -	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Dichlorobenzene	ug/L		<1.0	<1.0	<1.0	<1,0	<1.0	to the state of th	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0
2-Dichloroethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	AND THE PERSON NAMED OF PERSONS O	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Dichloropropane	ug/L	and the control of the same and the same	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0
3,5-Trimethylbenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	a paragraphic and distribution of the comments	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
3-Dichlorobenzene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	artifetetetileareteteenistaateetilaan eteileare	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0
3-Dichloropropane	ug/L		<1.0	<1,0	<1.0	<1.0	<1.0		<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Dichlorobenzene	ug/L		<1.0	<1.0	₹1.0	<1.0	<1.0		≺1.0	<1.0	<1.0	<1.0	≺1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Dichloropropane	ug/L	Amelika da sari sarah kanada sari kalan kana mahaba sara dan baba	<1.0	<1.0	<1.0	<1.0	<1.0	······································	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorotoluene	ug/L	THE PROPERTY OF THE PROPERTY O	<1.0	<1.0	<1.0	<1.0	<1.0	· · · · · · · · · · · · · · · · · · ·	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Phenyibutane	CONTRACTOR MANAGEMENT	COLUMN CONTRACTOR OF THE PROPERTY OF	<1.0	<1.0	<1,0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorotoluene	ug/L ug/L	reacted the risk state of the second state of	<1.0	<1.0	<1.0	<1.0	<1.0	www.	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
enzene	ug/L ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	grant grant and all of an had the world to an own the all of the first	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
nzene	Manager of the West Print and Address of the Addres	مستوسيس والمستواحة والمراجع والمراجع والمستعدد والمتاوية والمستواد والمستعدد والمستعد والمستعدد والمستعد والمستعدد والمستعد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد وا	<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	***************************************	
	ug/L		ومنتا والارسيسينين ومرزحه ومروسين والمرامين	<1.0	<1.0	<1.0	<1.0	and the same requirement of the property of the same designated of the latter of	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
omodichloromethane	ug/L	**************************************	<1.0	<1.0	<1.0		****	****	<5.0	<1.0		<1.0	<1.0	<5.0	************************		<1.0	<1.0
omomethane	ug/L		<5.0	AND DESCRIPTION OF THE PARTY OF		<1.0	<1.0			***	<1.0			WWW.	<1.0	<1.0	<1.0	<1.0
tylbenzene,n-	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	······································	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
rbon Tetrachloride	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
-C-11	ug/L		<5.0	<1.0	<1.0	<1.0	<1.0		<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
G-12	ug/L		<5.0	<1.0	<1.0	<1.0	<1.0	and the second section of the	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
lorobenzene	ug/L		<1,0	<1.0	<1.0	≺1.0	<1.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
nlorobromomethane	ug/L		<1.0	<1.0	<1.0	≺1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1,0	<1.0	<1.0

157437-1.pdf Page 1 of 2



Table 5
Field Quality Assurance/Quality Control Sample Results
Associated Plating Company

		Sample Type		E	quipment Bla	nk				Field Blank					Trip Blank		
		Sample Date	4/12/06	8/31/06	11/13/06	2/14/07	5/16/07	4/12/06	8/31/06	11/13/06	2/14/07	5/16/07	4/12/06	8/31/00	11/13/08	2/14/07	5/16/07
Analyte	Units	Sample ID	EB-41206	EB083106	EB-111306	EB-021407	EB-51607	FB-41206	FB083106	FB-111308	FB-021407	FB-51607	TB-41206	TB083106	TB-111306	TB-21407	TB-5160
Chlorodibromomethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	ug/L	TOTAL PARTY STATE TO STATE	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5,0	<1.0	<1.0	<1.0	<1.0
Chloroform	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	ug/L	Particular de la company de la	<5.0	<1.0	<1.0	<1.0	<1.0	< 5.0	<1,0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene (ds 1,2-DCE)	ug/L	X. (2)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	ug/L	A record the rest is contrate with the later is a con-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Сутеле	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0
Dibromomethane	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 .	<1.0	<1.0	<1.0	0.1>	<1.0	<1.0	<1,0	<1.0
Dilsopropyl Ether (DIPE)	ug/L			<1.0	44				<1.0	 .		###		<1.0		-	
Ethylbenzene	ug/L	P. BLOOK, VICTOR - CO. TH. GLOBAL VICTOR CO. VINE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethyl-tert-butyl Ether (ETBE)	ug/L	ALEMAN TO COMPANY AND	and and the second seco	. <1.0	_		_		<1.0		All the	-		<1.0			
Hexachloro-1,3-Butadiene	ug∕l.	AND IN 1989 INCOME OF THE COMPANY OF THE SHOOT	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0
Isopropylbenzene	ug/L	6.00.00380.00.000.000.000.000.000	<1.0	2,3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0
Methylene Chloride	ug/L	The state of the s	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl-tert-Butyl Ether (MTBE)	ug/L	×	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0.	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Propylbenzene,n-	ug/L		<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0
Styrene (Monomer)	ug/L	a.c.namaya.kmana.c.amaya.c.a	<1,0	≺1.0	≺1.0	<1.0	≺1.0	<1.0	≺1.0	≺1.0	<1.0	<1.0	≤1.0	<1,0	<1.0	<1.0	<1.0
tert-amyl-methyl Ether (TAME)	ug∕ī∟	AND THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRE		<1.0	_		_		<1.0	end		***	_	<1.0			
tert-butyl Alcohol (TBA)	ug/L			<5.0				-	<5.0		-dM		——————————————————————————————————————	<5.0		ma The man of the first of the	
lert-Butylbenzene	ug/L	**************************************	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene (PCE)	ug/L		<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	ug/L		<1.0	<1.0	11	<1.0	<1,0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0
Irans-1,2-Dichloroethene	ug/L		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	≤1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	սց/Լ		<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tribromomelhane	ug/L	······································	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Frichloroethene (TCE)	ug/L		<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride (VC)	u g/L	***************************************	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1,0	<1.0	<1.0	<1.0
Xylene, O-	ц g/ L		<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylene, P-, M-	ug/L	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

¹⁾ TPH = total petroleum hydrocarbons (carbon range) analyzed using EPA Method 8015B

²⁾ VOCs = volatile organic compounds analyzed using EPA Method 8260B

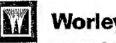
³⁾ mg/L = milligrams per liter

⁴⁾ ug/L = micrograms per liter

^{5) &}lt;1.0 = compound not detected at or above the indicated laboratory reporting limit

⁶⁾ Bold type indicates compound was detected.

^{7) -- =} not enalyzed



WorleyParsons Komex

resources & energy

Table 4
VOC Groundwater Results
Associated Plating Company

		Location MW-1	MW-1	MW-1	MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	MW-4	MW-4	MW-4
Analyte	Units	Date 4/12/06	8/31/06	11/13/00	6 2/14/07	5/16/07	4/12/06	8/31/06	11/13/06	2/14/07	5/16/07	4/12/06	8/31/06	11/13/06	2/14/07	5/16/07	4/12/06	8/31/0	611/13/06	2/14/07	5/16/07
Ethylbenzene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	21	3.1	1.1	1.0	<1.0	1.5	<1.0	<1.0	<1.0	<1.0
Ethyl-tert-butyl Ether (ETBE)	ug/L		<1.0				-	<1.0	-	17	wa .	==	<1.0		Re	NA .	***************************************	<1.0	4=	==	
Hexachloro-1,3-Butadiene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	₹1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	≺1.0
Isopropyibenzene	ug/L	1,9	<1.0	<1.0	<1.0	<1.0	75	57	44	50	: 153	83	74	50	.76	68	86	87	59	81	78
Methylene Chlorida	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl-tert-Butyl Ether (MTBE)	ug/L	8,9	2.0	1.0	<1.0	<1.0	3.5	3.0	2.4	1.9	1.9	1.9	2,2	1,8	1.4	1.1	3.0	2.8	2,2	1,3	1,5
Naphthalene	ug/L	1.6	<1.0	<1.0	<1.0	<1.0	16	12	4.6	1,9	<1.0	45	8.7	2.6	2.1	2.2	4.5	1.9	<1.0	<1.0	<1.0
Propylbenzene,n-	ug/Ł	<1.0	<1.0	<1.0	<1.0	<1.0	9.4	3.5	3.1	3,6	3.7	22	5.3	4.8	6.0	4.4	10	8,9	7.0	6,1	5.2
Styrene (Monomer)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-amyl-methyl Ether (TAME)	ug/L	-	<1.0			4 1	_	<1.0			MEMBER STATE STATE OF	#-#	<1,0	***	PH PH	Plantific Will Microsian American		<1.0			
tert-butyl Alcohol (TBA)	ug/L		<5.0			4		<5.0				THE RESERVE OF THE PARTY OF THE	<5.0					< 5.0			
tert-Butylbenzene	ug/L	1.6	<1.0	<1.0	<1.0	1.3	1.9	1.7	1.4	1.6	2.4	<1.0	3.4	1.2	1.8	<1.0	<1.0	1.4	1.2	2.1	1.7
Tetrachloroethene (PCE)	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.7	1.2	3.6	5.8	15
Toluene	ug/L	<1.0	<1.0	15	<1.0	<1.0	<1.0	<1,0	10	<1.0	<1.0	<1.0	1.6	8.5	<1.0	<1.0	<1.0	<1.0	6.6	<1.0	<1.0
trans-1,2-Dichloroethene	ug/L	5.2	3.6	4.0	9.2	2.3	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	≺1,0
Tribromomethane	ug/L	≺1.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene (TCE)	ug/L	1.3	21	28	55	41	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	4.0
Vinyl Chloride (VC)	ug/L	20	9.9	6,6	7.4	13	50	47	21	29	24	53	58	34	44	32	. 57	54	36	34	24
Xylene, O-	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.6	<1.0	<1.0	<1.D	<1.0	<1.0	<1,0	<1.0	<1.0	<1.0
Xylene, P-, M-	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	28	3.1	1.6	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

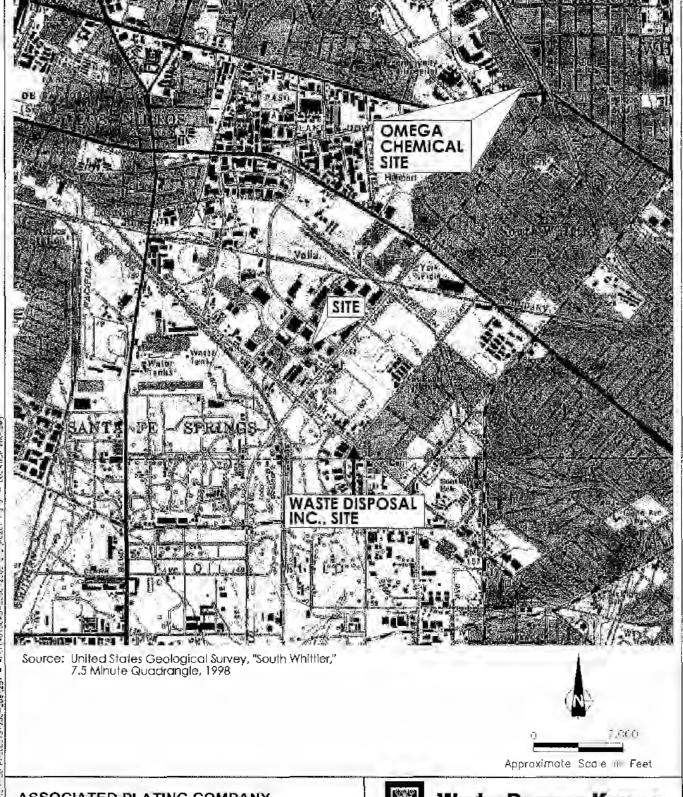
¹⁾ VOC = volatile organic compounds analyzed using EPA Method 8260B

²⁾ ug/L = micrograms per liter

^{3) &}lt;1.0 = compound not detected at or above the indicated laboratory reporting limit

^{4) -- =} not analyzed

⁵⁾ Bold type indicates compound was detected.



ASSOCIATED PLATING COMPANY 9636 ANN STREET, SANTA FE SPRINGS, CALIFORNIA

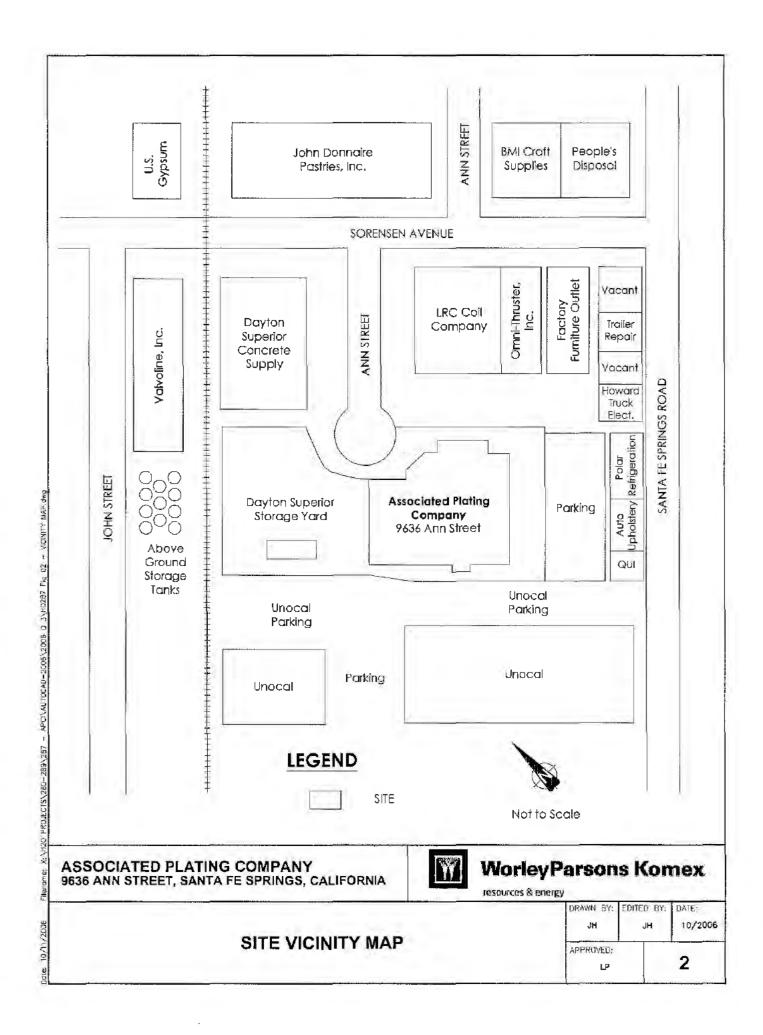


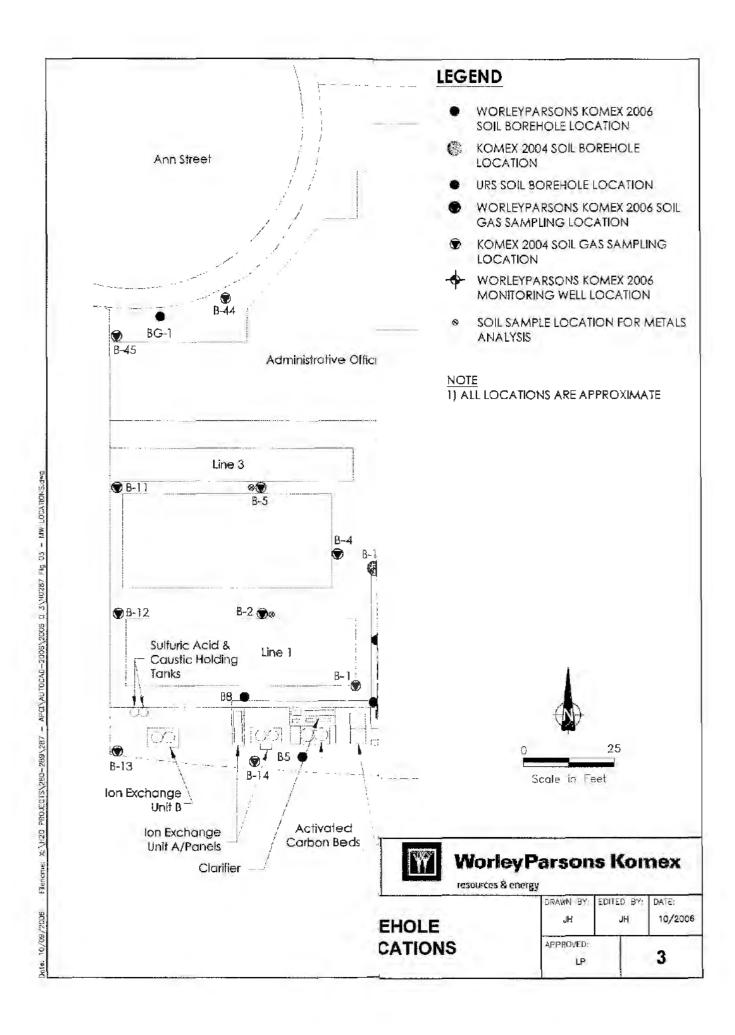
WorleyParsons Komex

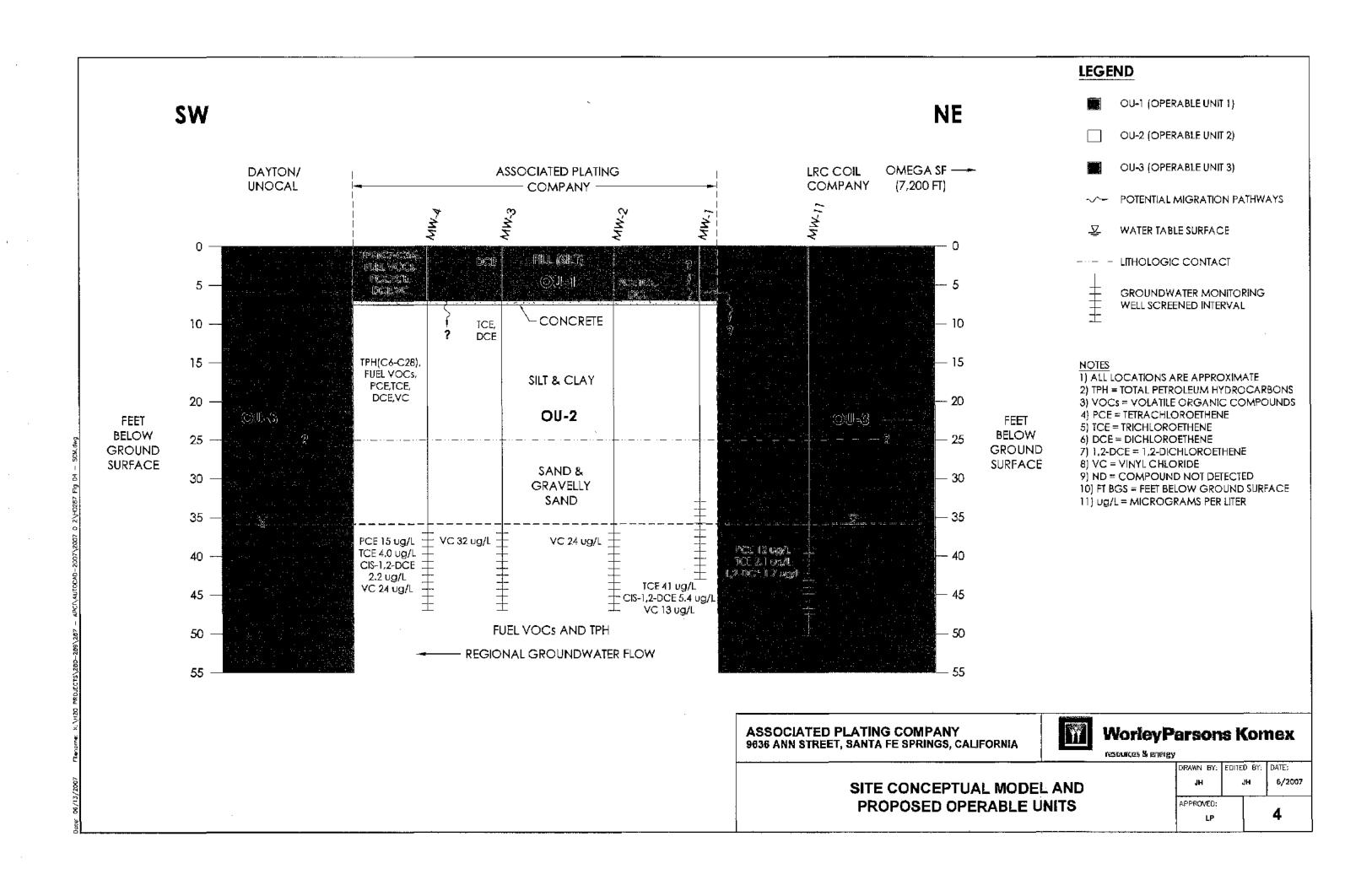
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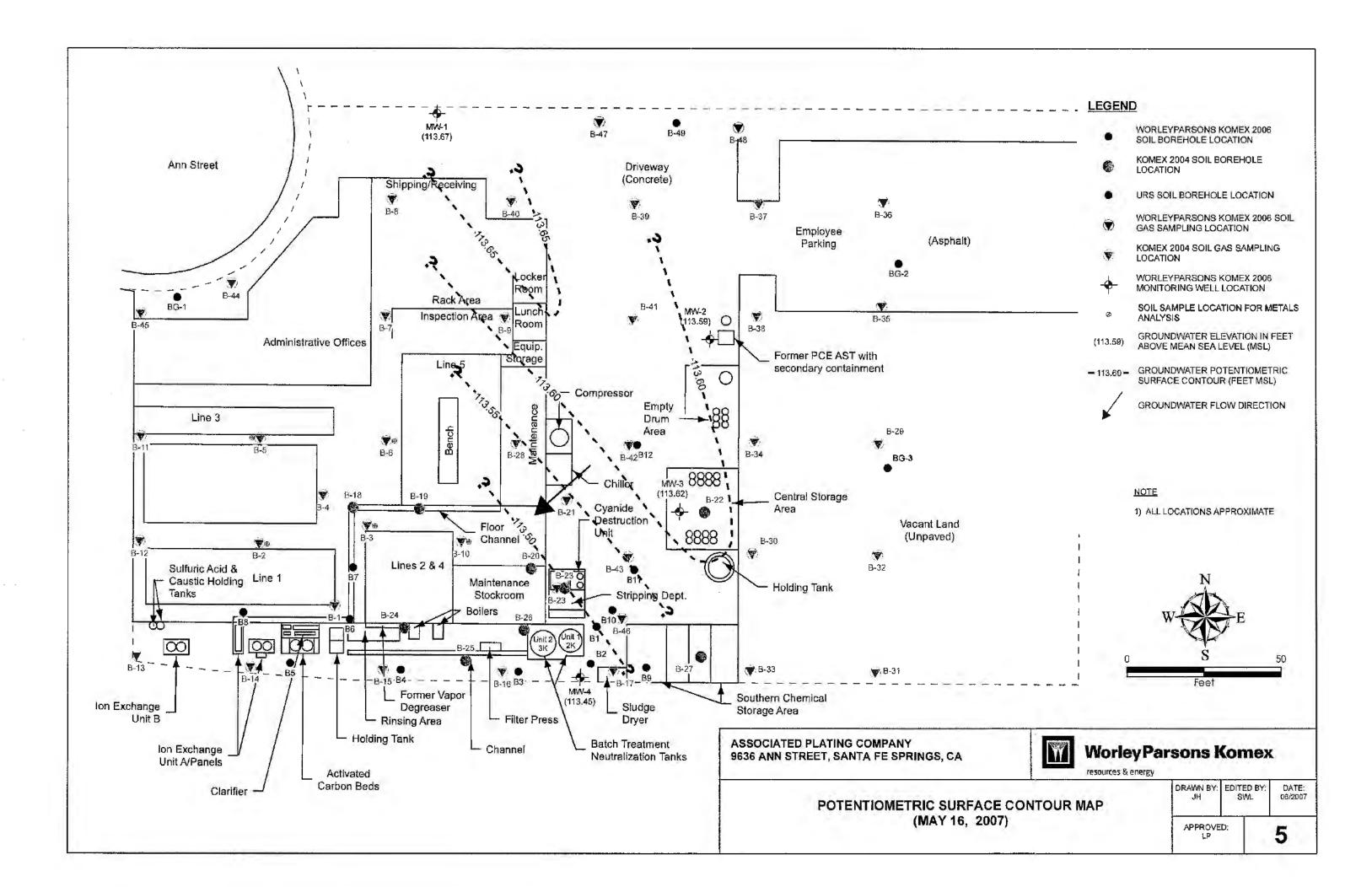
SITE LOCATION MAP

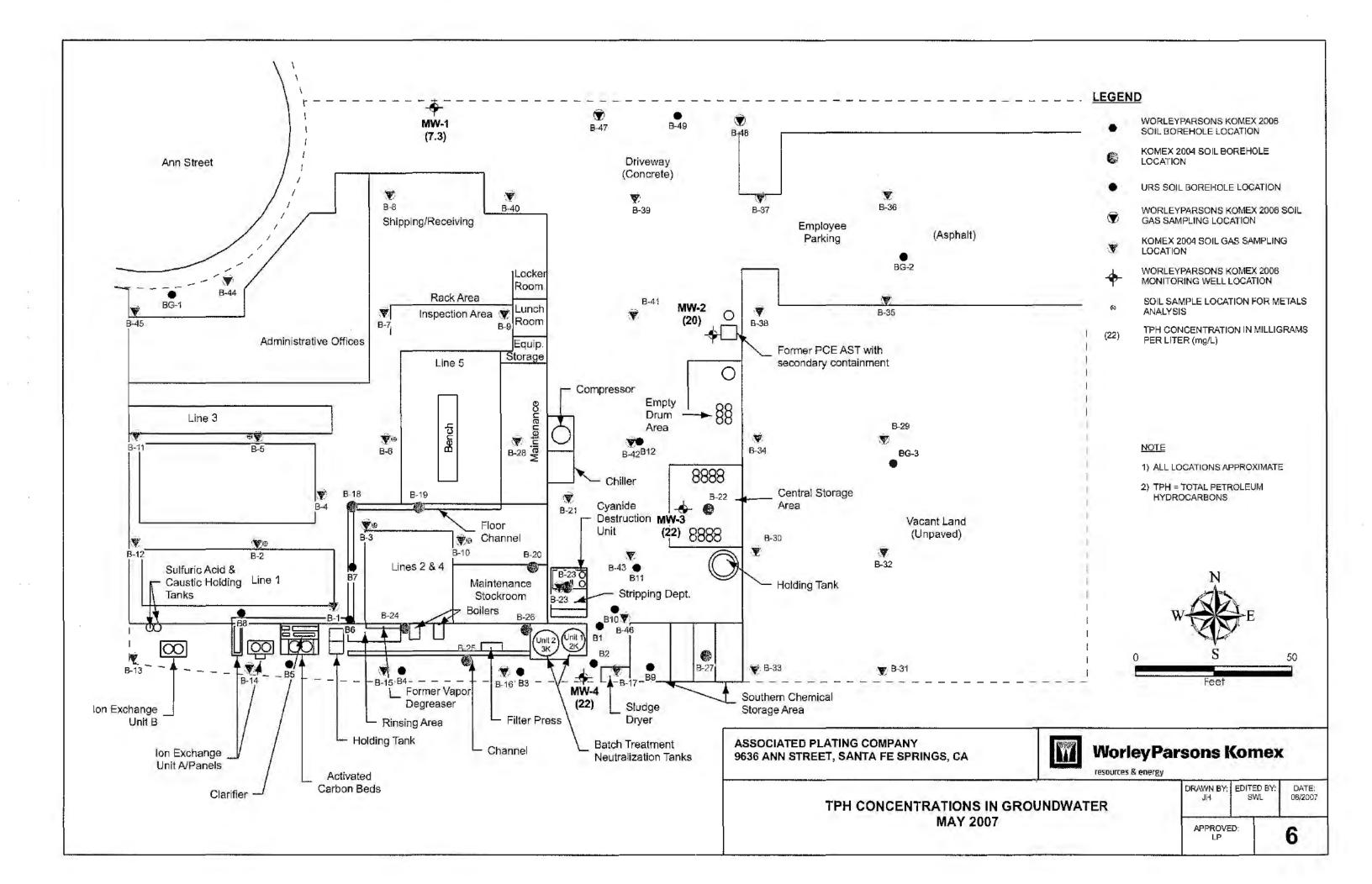
Phywr Ric	EDITED BY	DATE:
JН	JH	10/2006
APPROVED LP		1

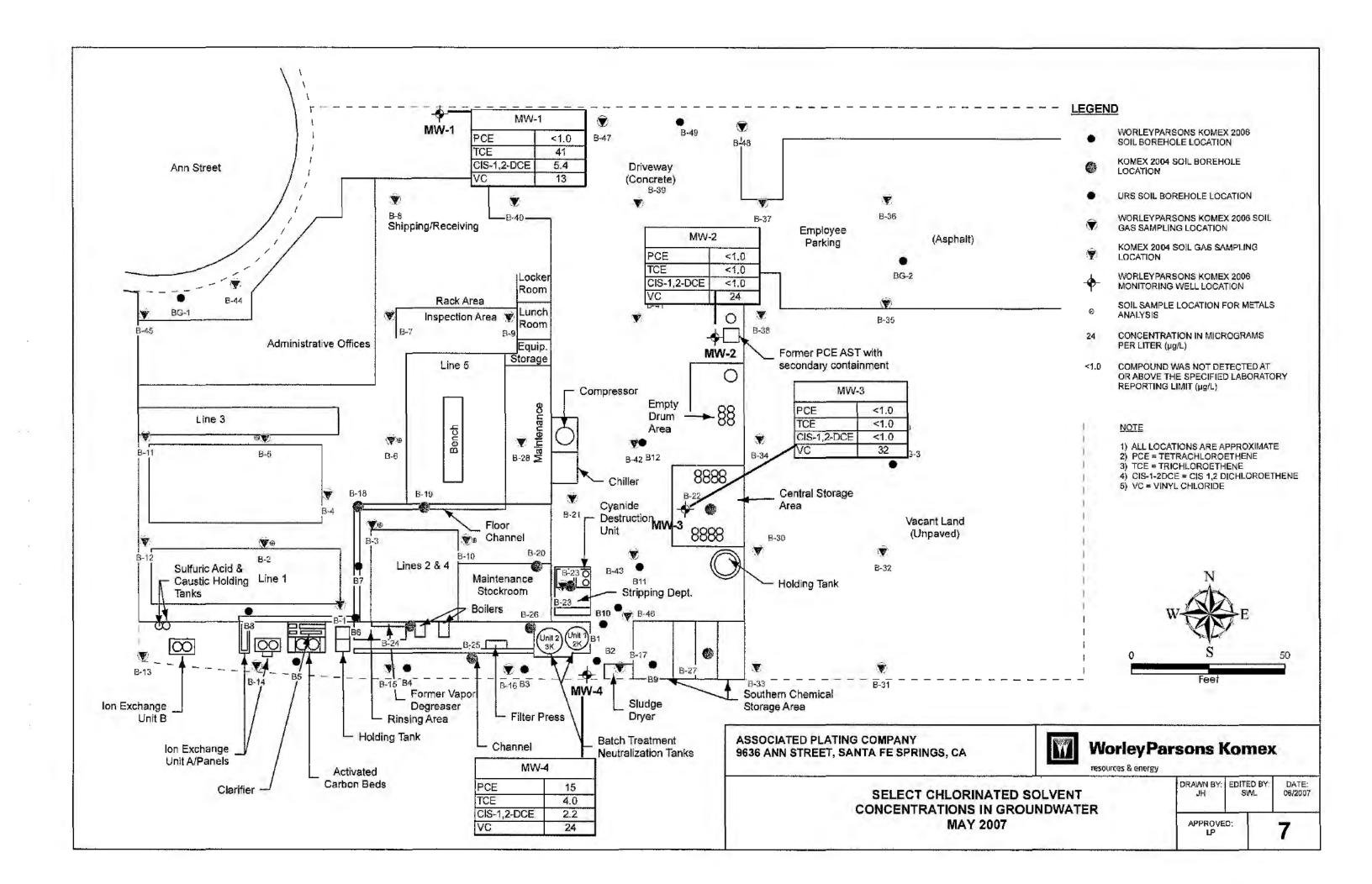














Appendix 1 Monitoring Well Sampling Forms

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H0287D: 12 July 2007

M	WorleyParsons	Komex
STATE OF THE PERSON NAMED IN	enderlines 2. Append	

FLUID LEVEL MEASUREMENTS

		THER: <u>(*V</u>		Se Spring		DAY: S S M T W T F PROJECT NAME: APCI PROJECT TASK NUMBER: HOAST DO 3					
THER:			×								
-		nchmark etc.):	Freh	MS4			: <u>Sel</u> :	•			
Time	Well No.	Measuring Pt. Elev. ¹	Ţ	th Measuremer	nts	Product	Water	Comments			
			To Product	ct To Water To Bott		Thickness	Elevation 1	Conditions of well box, water in box			
		Feet	Feet be	elow measuring	point	Feet	Feet	lack of measuring point, etc.			
3135	146-1			33.76				Scotl			
8140	14 W- 2		-	35.52			-	7			
3:45	MN.3		Sheen	37,05							
3:55	AWL		Sheer	37.32				il.			
				-							
Manager 1	Det .		-	-	- *		1	Ψ.			
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- Andrews	 	-									
	 										
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ALUDEO 11	TOUS										
QUIRED AC	ZIONS:							* 100000			
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11 An 50

# WorleyParsons Komex

MONITORING WELL SAMPLING FORM

recounces & energy

5465 DARDEN BROVE BLVC, SECOND FLOOR WESTMINSTER, CA 92683-8201, USA TEL: 714,379,1157 | FAX:: 714,379,1160

Project Name: APCI	Date: 51 16 6 7
Project No.: HU2570020	Time: 07:300
Employee Name: LP rRH	Page 1 of 1

WALL CO	NSIRUCI	ION DELAIL		AAGT	TAO:4	110-1	4		LOCA	HOW SKETCE	-
DATES		Cosing Type:	PK	Screen Ty		VC .					1+1
Constructed: Diameter: 2" Diameter: 2"						SIL Site Map					
eveloped:		Congin:		Length:	× .	× '	1	0		10 1 27	
ast Sampled:		T.D.: 41	3	Slot Size:					-1-		
										* *	
VELL CO	NDITION:	devot	Water	Depth:	33,	36					9
S. Elev.		Water Depth:		F.P. Trainle	त्तदत्रः				0		
G. Elsva		Water Column:	4.74	Water Od		]					
V.L. Elev:	-	Casing Volume:	1.56	7 Turbidity:			_			-	
lote: 2" = 0.16	gitt: 4" = 0.65	g/ft: and 6" = 1,5	g/ft	_							
	ĒΓ			- 14			1				
Vell Purgi	ng Method	ngenson	CINGLO	Purge V	ol: 4	, 7	1				
			1 1								
VELL PUR	RGING AN	D RECOVER	Y ANALYS	515: */	-	posten	×	mill			
ime	W,L.	Purge Rate	Vol	Temp.	Ha	Conduct	Turbid.	D.O.	ORP	Sample No.	REMARKS
9.30	-		25	22.46	6.78	1555	449	1,-19			
1:32	-		1.35	32/	6.71	1.858		0.13			
9 34	37.35		25	22.62	1.70	1.855	60.5	0.16			
1-36	33.33	and all and the purpose of the or the purpose	3	22.83	6.70	1851	170	0.14			
938	11.22		3.5	22.80	6.71	1.831	140	0.12			
940	33.40		40	27.45	6.71	1836	158	6.12			
9.412	i I i i i i i i i i i i i i i i i i i i		41.7	23.0	1.071	1.835	120	0.11			
9:45	33.3		1.	13	100.0					1	
	77.	40.00									
						- 17					
AMPLING	G INFORM	IATION:		- ·							
ample No.		Time	Sampling	Method	Containe	er	Analysis l	Required			
MN1-51607		9:50	die baler		12 + 10000		820 + TPH carbon canal				
3	1607	16.00	1.134								7
B -=	1407	10.01									
13 -	51607										
	IAL INFO	RMATION:			·		0				
5007	1210	dia =	351	31				-			
	1460	, c, c	200 28 1	1,71						***************************************	
			×					-113			
			· · · · · · · · · · · · · · · · · · ·								
				-							



# WorleyParsons Komex

MONITORING WELL SAMPLING FORM

resources & energy

5455 GARDEN GROVE BLVD., SECOND FLOOR WESTMINSTER, CA F2683-8201, USA TELL 714.379.1157 - PAKL: 714.379.1160

Project Name: APCI	Date: 5/16/07
Project No.: HOAS TOO 20	Time: (0 . 15
Employee Name: ZPIRH	Page 1 of

WELL CONSTRUCT	TON DETAILS		WELL	NO:	44.2			LOCAT	YON SKETCE	4.		
DATES	Casing Type;	PVC		NG 190		1				1		
Constructed:	Diameter: 2	11	Diamter:	2"			T					
Developed: Length:			Length:			1		54	cs & m	4.3		
Last Sampled: F.D.: 47 Slot Size:						Sec six map						
WELL CONDITION:	Real	Water	Depth:	35.8	2 3							
G.S. Elev.	Water Depth:	7,4442	F.P. Thuck		7:4							
T.C. Sieva	Water Column:	11.18	Water Od			1						
W.L. Elev:	Casing Volume:	1.74	Turbidiry			1						
Note 2" = 0.16 g/h/# = 0.6:		1										
								4.1				
Well Purging Method	masan a	um)	Purge V	ol.: 5	14							
							-44					
WELL PURGING AD	D RECOVERY	ANALYS	SIS:									
Time W.L.	Purge Rate	Vol.	Temp.	pН	Conquet	Turbid,	D.O.	ORP	Sample No.	REMARKS		
10:20	10.54pm	0.35	33.30	6.94	1.44	0.35	0.86	-140,				
10:21	1 75	11.25	22.87	7.00	1.53	40.9	0.15	-3134	2			
10/22 36.20	~ .75 apri		22.44	7.01	1.56	20	0.37	.272				
11:24	1	3.25	2300	6.98	1.56	0	0.15	2 230.				
10:76 2.5		4.5	2244	6.96	1.58	6	03	243	5			
10:27		500	23.0	6,44	1.54	0	0.12	-243	6			
10:28	~Osign	5.5	33.0	6.94	1.58	0	0.15	2412	ì			
35.35												
					4							
AMPLING INFORM	(ATION:											
ample No.	Time	Sampling	Method	Containe	er	Analysis l						
MW3-56-67	10.40					\$260 r TPH Chedon Parase						
		1								,		
DDITIONAL INFO	RMATION:											
80% 1000		350	71	Wi								
000 1130	7.5.7	3 4 1	~ \\-	VC 2								
								*****,~				

## MONITORING WELL SAMPLING FORM

5455 GARDEN GROVE SLVD., SECOND FLOOR WESTMINSTER, CA 92683-8201, USA TEL: 714.379.1157 PAX.: 714.379.1160

Project Name: APCI	Date: 5/16/07
Project No.: Ho 257 DO 20	Time: 10:40
Employee Name: ZP+2H	Page 1 of 1

WELL CO	NSTRUCT	ION DETAIL	S	WELI	NO:	W-3	T		LOCAT	TION SKETC	
DATES		Casing Type:	PVC	Screen Ty			- ×				*
Constructed:		Diameter:	3 "	Diameer	3"		7	<'		n't mi	. A
Developed:		Lengths		Lengtin				, D		), ~ 5-12	. 43
Last Sampled:		T.D: F	17	Slot Size:						1	
							· I			I	
WELL CO	NDITION:	4 oook	Water	Depth:	37	05				*	
C.S. Eleva		Water Depth:		F.P. Thick			1				
T.C. Ejev.:		Water Column:	9.95	Waser Od	ot:		1			÷	
W.L. Sign		Casing Volume:	1.54	Turbidity:			1			· .	*
Note: 2" ≠0.16	g/ft: 4" =0.65	g/ft; and 6" - 1.5	g/fit				- x				* 0
	-			-							
Well Purgi	ng Method	· Monseno	Δυδά	Purge V	ol.:	.4	1				
		100	1000				dime.				X
WELL PUR	GING AN	D RECOVER	Y ANALYS	is: of		MSICM		BylL			
Time	W.L.	Purge Rate	Voi.	Temp.	pH.	Conduct.	Turbid.	D.O.	ORP	Sample No.	REMARKS
10:52		lun	0.25	22.37	GAL	141	178	0.38	-187	*	-
	37.37	1.11	1.5	22.48	6.45	155	363	0.40	-148	7	
10:55			7.35	22.57	6.95	1.61	91.8	0.2	-209.0		
	32.35		3.00	3370	6.45	163	43.5	0.13	-217		
10:57			4.10	22.75	645	164	43.5	0.11	-221-	)	· · ·
10:59			5.00	-	694	1.64	13.0	0.09	2	7	
1.5.	37.37						1,2	-			
			1			-					
			1								
SAMPLING	G INFORM	IATION:				-	L			·	7
Sample No.	-0	Time	Sampling	Method	Containe	ir .	Analysis I	Required			
hw3-=	11.07	11:05	de h		14. +1.				DH IN	Bur Cal	
2.40.50	١ ١٥٠٠	11.00	12 14		1	~17 J	1 3 14 14	1	1 11 (11	1 2501 1 311	J
		-									
			-								
ADDITION	IAL INFO	RMATION:	<u> </u>			:					
	Ser	-		34,	154	+	<i>b</i>				4
	100 0	irrove-	7	- 1		70.0					
- 377				14. 14.							
											<u> </u>
								-			



## WorleyParsons Komex

resources & energy

5485 GARDEN GROVE BLVD., SECOND FLOOR WESTMINSTER, DA 92682-8201, USA TEL:: 714,379,1167 - RAXI: 714,379,1160

## MONITORING WELL SAMPLING FORM

Project Name: APCT	Date: 5/1/107
Project No.: Ho 287 DO20	Time: 11:25
Employee Name: LPF2H	Page   of [

WELL CO	NSTRUCT	ION DETAILS	5	WELL	. NO: ,	441			LOCAT	TON SKETC	HZ:	
DATES		Cosing Typer	DV(	э́стеен Туг	pe D	VC		ć.				
Constructed:		Diameter: 6	311	Diamtec	2"			S/	S. Si	t may	)	
Developed:		Langth:		Uzngih.								÷
Last Samples:		T.D.:	17	Slot Size:						*		
								8				
WELL CO	NDITION:		Water	Depth:	37	33	Ĭ		*			
C.S. Elev.	-	Water Depth:		F.P. Thicks	test:	* · · ·	1					
T.C. Elev.		Water Column;	7.69	Water Odd	) <del>,</del>		]			7	-8-	
W.L. Elevi		Casing Volume:	1.53	Turbidity			1				-	
Note: 2" = 0.16	g/(t; 4" = 0.65)	g/ft; and 6° = 1.5	g/1t				ļ					
											-1-	
Well Purgi	ng Method	ריפיבליטות:	DUM	Purge V	ola 4	16	1					_
		- 2000000		rid of		1/2		n. 11		-		
		D RECOVER	1		24	maker		7/1/2	loon	C	REMARKS	
Time	W.L	Purge Rate	Vol	Temp.	pH	Conduct	7.	D.O.	ORP	~~~~~~	KENIAKKS	
11 26		20 1	0.25	21.99	713	1.355	63.8	-	-187.4			
11:24	37.40	19pm	1.1	12.35	7.13	1.75	90.8	0.19		_		
11 2	77233		2.1	24.50	7.13	1.48	32.9	0.15	-37.5			_
11:51	37.33		3.1	22.5/	7.13	1.50	37.0		-312.9			
11:36	37-		41	77.75	7.11	1.51	130	0.17	3164			
11:38	37.55		4.4	22.71	103	1.548	37.8	0.8	-33,3			
11 31			4.5	33.71	7.0	1.557	33.4		236			
11 71			6	22.72	7.00	1.56	15.3	0.07	-235.2			×
10.1.0	700 000	<u> </u>		L 18								
1:49	37.32	-										
SAMPLING	CORN	(ATTONI)										
Sample No.		Time	Sampling	Maria	Containe		A. James F	1				
MW4-5		11.50					Analysis I		34 4	h .		
11117-3	1867	11.30	chise b	25. 17.1	14 + 1	1-14.2	8.4.11	1	115 /	who !	drye	_
							-	—				
		-	<del> </del>									
ADDITION	AL INFO	RMATION	1									
The second second	1 10		34	35	1-12							-
1/0	111	214:4		A)		·—					O SWANN COLUMN TO A SWANN COLU	-
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*77	- 4	Sull		1 617	<u> </u>		•					



ASSOCIATED PLATING COMPANY SECOND QUARTER 2007 GROUNDWATER MONITORING REPORT ASSOCIATED PLATING COMPANY, 9636 ANN STREET, SANTA FE SPRINGS, CALIFORNIA

Appendix 2 Waste Manifest

157850_1 H0287D: 12 July 2007

1 4	1	int or type, (Form desig	a Consented Whiteman			d 12 Emercennu					
Ĵ	-		1. Generator IO Number		2. Page 1		Risponse Phone I 274 5253	4. Manjigst Tr			
Ħ,	<u> </u>		CAD043079	ITTÜ				- U (4 1 1	20525A	JE	
	A2	emergyor's Name and Mai SOCIATED P 525 ANN STR ANTO FF SOCI	LATTŇG	5 <b>7</b> 0		A\$\$0CE 9636 A	in Address (7 different ATEÜ PLAT NN ST FE SPRING	ING CO AT	TN MIC	CHAEL EV	ans
1			46~5525 A		10	JAN IA	TO DEPOM	a, car soc	טייו		
	6. Tr	ransporter I Company Na	<u>148~35≥3 — A.</u> ma	1 111				U.S. EPA ID Non	sher		
	1	SHLAND INC.								3112	· δδ.
	-	ansporter 2 Company Na						U.S. EPA ID Num		0112	n a
	6. 11	mushauer c conident ive	1740					U.S. ETA IO NUN	KI MI		
	<u></u>								:		
	i	ealgnated Facility Name a	141 9					U.S. EPA IO Nur	ipa¢		
			R LECHNOPOG:	TES .							
		375 SOUTH B						CAD	0 9 7	030.9	9 3
П		DS ANGELES, Nye Phone:	CW Annag	323-277-15	១០		4				
		1	m (Including Proper Shipping					10. Con	ainers	#1. Total	12. Unit
		end Packing Group (f a		g recips, massers cause. Its	Maniput			No.	1	Quantify	WLAMI.
		1.						190.	Туре	,	
GENERATOR			ulated materi	AL.	•	· 170	1	2	рм	110	G
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	1	A									
			ens and Additional Information HAZ GROUNDWATI		1, 595057		DI	01020	125	54U3	7_
	15.	GENERATOR SO SEL-SE		ER DM 9172800 by declare then the content in proper condition for trans	s of this consignment port according to ap	plicable inharnations	a) and national govern				
	15.	GENERATOR SO SEL-SE	HAZ GROUNDWATH  R'S CERTIFICATION: I have related, and are in all respects is contents of this consignment	ER DM 9172800 by declare then the content in proper condition for trans	s of this consignment sport according to ap attached EPA Adm	plicable inharnations	a) and national govern sent.	mental regulations, if o			nery
	15.	ENERATORS/OFFERO	HAZ GROUNDWATH  R'S CERTIFICATION: I have related, and are in all respects is contents of this consignment	ER DM 9172800 by declare then the content in proper condition for trans	s of this consignment sport according to ap attached EPA Adm	plicable injurnations owtedgment of Con-	a) and national govern sent.	mental regulations, if o		ni and I am the Prin	nery Year
7.	15. Clene	ENERATORS/OFFERO	HAZ GROUNDMATH  RS CERTIFICATION: I have load, and are in all respects it contents of this consignment  Typed Name	ER DM 9172800 by declare that the cominal in proper condition for transconform to the terms of the	s of this consignment appropriate to a stached EPA Adm	plicable internations contedgment of Contended internations ignature	a) and national govern sent.			nt and fath the Prin Month Da	nery Year
NTL +	15. (Gene	GENERATOR'S/OFFERO marked and sebelas/place Exporter, I contily that the exator's/Offeror's Printed/	RS CERTIFICATION: I have related, and are in all respects is contents of this consignment.  Typed Name  Import to U.S.	ER DM 9172800 by declare that the cominal in proper condition for transconform to the terms of the	s of this consignment sport according to ap attached EPA Adm	iplicable internations contedgment of Contended internations of Contended in	a) and national government.  African Port of entry/exit.	mental regulations, if o		nt and fath the Prin Month Da	nery Year
INTL +	15. (Gene	GENERATOR'S/CFFERO marked and wholes/place Exporter, I contily that the exector's/Offeror's Printed/ Thermakonel Shipmen's sporter signature (for exp	RS CERTIFICATION: Thore told, and are in all respects is contents of this consignment.  Typed Name  Import to U.S orts only):	ER DM 9172800 by declare that the cominal in proper condition for transconform to the terms of the	s of this consignment appropriate to a stached EPA Adm	iplicable internations contedgment of Contended internations of Contended in	a) and national govern sent.	mental regulations, if o		nt and fath the Prin Month Da	nery Year
	15. (Clene 16. lc	GENERATOR'S/OFFERO maked and whatedplace Exporter, I carilly that the exector's Offeror's Printed/ Memakonel Shipmenis sporter signature (for exp	RIS CERTIFICATION: There toked, and are in all respects is contents of this construment lyped Name  import to U.S orts only): ent of flaceipt of Materials	ER DM 9172800 by declare that the cominal in proper condition for transconform to the terms of the	s of this consignment port according to ap attached EPA Adm 9	ignature	e) and national govern setti.  Port of eninylexit.  Date leaving U.S.:	mental regulations, if o		Month Da	y Year
표	15. (Clene 16. lc	GENERATOR'S/CFFERO marked and wheledplace Exporter, I carilly that the exector's Offeror's Printed/ mulernational Shipmen's sporter signature (for exp ransporter & Printed/TypestA	RS CERTIFICATION: Thore toled, and are in all respects is contents of this construment.  Typed Name  import to U.S orts only): ent of flacsipt of Materials ame	ER DM 9172800 by declare that the cominal in proper condition for transconform to the terms of the	s of this consignment port according to ap attached EPA Adm 9	ignature	e) and national govern setti.  Port of eninylexit.  Date leaving U.S.:	mental regulations, if o		nt and fath the Prin Month Da	y Year
표	15. It is a second of the seco	GENERATOR'S/OFFERO marked and sebelas/place Exporter, I contily that the exator's/Offeror's Printed/Tuternational Shipments sporter i Printed/Typach	RS CERTIFICATION: I have related, and are in all respects is contents of this consignment. Typed Name  I import to U.S onts only): ent of Heceipt of Materials ama  MIREZ	ER DM 9172800 by declare that the cominal in proper condition for transconform to the terms of the	s of this consignment port according to ap attached EPA Adm 9	ignature	a) and national government.  African Port of entry/exit.	mental regulations, if o		Month Da	Year Year Year Year
표	15. It is a second of the seco	GENERATOR'S/CFFERO marked and wheledplace Exporter, I carilly that the exector's Offeror's Printed/ mulernational Shipmen's sporter signature (for exp ransporter & Printed/TypestA	RS CERTIFICATION: I have related, and are in all respects is contents of this consignment. Typed Name  I import to U.S onts only): ent of Heceipt of Materials ama  MIREZ	ER DM 9172800 by declare that the cominal in proper condition for transconform to the terms of the	s of this consignment port according to ap attached EPA Adm 9	ignature	e) and national govern setti.  Port of eninylexit.  Date leaving U.S.:	mental regulations, if o		Month Da	y Year
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표	15. It is it	GENERATOR'S/OFFERO marked and sebelas/place Exporter, I contily that the exator's/Offeror's Printed/Tuternational Shipments sporter i Printed/Typach	RS CERTIFICATION: I have related, and are in all respects is contents of this consignment. Typed Name  I import to U.S onts only): ent of Heceipt of Materials ama  MIREZ	ER DM 9172800 by declare that the cominal in proper condition for transconform to the terms of the	s of this consignment port according to ap attached EPA Adm 9	ignature	e) and national govern setti.  Port of eninylexit.  Date leaving U.S.:	mental regulations, if i		Month Da	Year Year Year Year
표	15. It is a second of the seco	GENERATOR'S/OFFERO GENERATOR'S/OFFERO GENERATOR'S/OFFERO GENERATOR'S/OFFERO GENERATOR'S/OFFERO GENERATOR'S Printed/ Tuternational Shipments sporter signature (for exp Transporter Acknowledge) sporter 1 Printed/Typed N	RIS CERTIFICATION: I have rided, and are in all respects is considerated. It is considerated in the consid	ER DM 9172800 by declare that the content in proper contribution for trans conform to the terms of the	s of this consignment port according to ap attached EPA Acid	plicable internations overland to consider the consideration of the cons	a) and national govern sent.  A fund Port of entrytexit Date loaving U.S.:	enential regulations, it is	expert shipmen	Month Da  Month Da  Month Da  Month Da  Month Da	Year Year Year
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ASSOCIATED PLATING COMPANY SECOND QUARTER 2007 GROUNDWATER MONITORING REPORT ASSOCIATED PLATING COMPANY, 9636 ANN STREET, SANTA FE SPRINGS, CALIFORNIA

Appendix 2 Waste Manifest

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H0287D: 12 July 2007

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	5. Geneta	ator's Name and Mailin	g Address		Generator's	Site Address (it differen	t then malling address	)		
	ASSC	CIATED PL	ating		A8800	TATED PLAT	'ING CO AT	TN MIC	HAEL EV	ANZ
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ASSOCIATED PLATING COMPANY SECOND QUARTER 2007 GROUNDWATER MONITORING REPORT ASSOCIATED PLATING COMPANY, 9636 ANN STREET, SANTA FE SPRINGS, CALIFORNIA

Appendix 3 Laboratory Analytical Report

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25 May 2007

Lee Paprocki Worley Parsons Komex 3901 Via Oro Avenue, Suite 100 Long Beach, CA 90810-1800

RE:APC

Work Order No .:

0705378

MAY 8 / 2007

Attached are the results of the analyses for samples received by the laboratory on 05/16/07 13:55.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

Richard K. Forsyth

Achad X forth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.



Project APC
Project Number: H0287D030
Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	4	Lahoratory ID	Metrix	Date Sampled	Data Received
MW1-51607		0705378-01	Liquid	05/16/07 09:50	05/16/07 13:55
MW2-51607	*	0705378-02	Liquid	05/16/07 10:30	05/16/07 13:55
MW3-51607		0705378-03	Liquid	05/16/07 11:05	05/16/07 13:55
MW4-51607		0705378-04	Liquid	05/16/07 11:50	05/16/07 13:55
EB-51607		0705378-05	Liquid	05/16/07 10:00	05/16/07 13:55
FB-51607	· · · · · · · · · · · · · · · · · · ·	0705378-06	Liquid	05/16/07 10:05	05/16/07 13:55
ГВ-51607		0705378-07	Liquid	05/16/07 00:00	05/16/07 13:55

### CASE NARRATIVE

SAMPLE RECEIPT:

Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.

PRESERVATION:

Samples requiring preservation were verified prior to sample preparation and analysis.

HOLDING TIMES:

All holding times were met, unless otherwise noted in the report with data qualifiers.

QA/QC CRITERIA:

All quality objective criteria were met, except as noted in the report with data qualifiers.



Worley Parsons Komex

3901 Via Oro Avenue, Suite 100 Long Beach CA, 90810-1800 Project: APC

Project Number: H0287D030

Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

## Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

#### Sierra Analytical Labs, Inc. Reporting Limit Dilution Batch Analyzad Method Notes Result Unita Prepared Analyto MW1-51607 (0705378-01) Liquid Sampled: 05/16/07 09:50 Received: 05/16/07 13:55 HC < C8 ND 0.010 B7E2330 05/22/07 05/22/07 EPA 8015B C8 <= HC < C9 ND 0.010 0.030 0.010 C9 <= HC < C10 0.096 0.010 C10 <= HC < C11 0.010 C11 <= HC < C12 0.20 0.79 0.010 C12 <= HC < C14 0.87 0.010 C14 <= HC < C16 0.010 0.79 C16 - HC < C18 0.010 C18 <= HC < C20 0.60 0.010 C20 <= HC < C24 1.4 0.010 1.7 C24 <= HC < C28 0.78 0.010 C28 <= HC < C32 0,010 0.040 HC >= C32 Total Petroleum Hydrocarbons 73 0.050 (C7-C36)

Surrogate: o-Terphenyl			125 %	60-	175		N -	*		
MW2-51607 (0705378-02) Liquid	Sampled: 05	/16/07 10:3	0 Rece	ived: 05/1	6/07 13:5	55		*		
HC < C8		ND	0.20	mg/L	20	B7E2330	05/22/07	05/23/07	EPA 8015B	
C8 <= HC < C9	* .	ND	0.20 -	· P		II ×	4	A		
C9 <= HC < C10		ND	0.20	41		1)	P1	ш	10	
C10 <= HC < C11	× .	ND	0.20	. h		1)	Fr	ji	19	
C11 <= HC < C12		ND	0.20	, u	19	45	Ħ	н	(1	
C12 <= HC < C14		1.0	0.20	'n	4	. 4	н	н	tr	
C14 <= HC < C16		1.8	0.20	н			11	*	v	
C16 <= HC < C18		1.4	0.20	13	"		н	*	e	
C18 <= HC < C20		1.7	0.20	1011			la ·	N.	18	
C20 <= HC < C24		2.2	0.20	11	w	1	ij	44	11	
C24 <= HC < C28		3.7	0.20	ı	*	*	13	0	0	
C28 <= HC < C32		7.0	0.20	11	м.	19	n	O O	11	
HC >= C32	. (	0.82	0.20	2)	H	- SS W	ı	ď	0.	
Total Petroleum Hydrocarbons (C7-C36)		20	1.0	rı	41	q	n		"	
Surrogate: o-Terphenyl		-	%	60-	175	"	×	"	19	S-03



Project: APC

Project Number: H0287D030 Project Manager: Lee Paprocki Reported: 05/25/07 09:04

## Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

Analyte	Result	porting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW3-51607 (0705378-03) Liquid	Sampled: 05/16/07 11:05	Rece	ived: 05/	16/07 13:55	5		Ĭ	- "	
HC < C8	ND	0.20	mg/L	20	B7E2330	05/22/07	05/23/07	EPA 8015B	
C8 <= HC < C9	ND	0.20		11	29	Ħ	n		
C9 <= HC < C10	ND	0.20		"		11	Pt .	и	
C10 <= HC < C11	ND	0.20	Ħ		H.	II.	<b>R</b>	B 191.,	
C11 <= HC < C12	0,40	0.20	я		F	н		in .	
C12 <= HC < C14	2.5	0.20	п			н	•	<b>y</b> 0	
C14 <= HC < C16	2.5	0.20	*	N		II	p	#	
C16 <= HC < C18	1.8	0.20	. 0 1	N	P	TI III	H	19	
C18 <= HC < C20 ·	2.0	0.20	9		•	H	H	- 1r	
C20 <= HC < C24	2.9	0.20	n		r	II	*	v E	
C24 <= HC < C28	3.7	0.20	77	М	*	<b>†</b> 3	п	D .	
C28 <= HC < C32	5.9	0.20			•	n	н	*	
HC >= C32	0.66	0.20	ь	•	•	и *	U	1)	
Total Petroleum Hydrocarbons (C7-C36)	22	1.0	u	* -		. "	•	ø	
Surrogate: o-Terphenyl		%	60-	175	п	"	и	÷и 👝 🔑	S-03
MW4-51607 (0705378-04) Liquid	Sampled: 05/16/07 11:50	Rece	lved: 05/1	6/07 13:55	5				
HC < C8	ND	0.20	mg/L	- 20	B7E2330	05/22/07	05/23/07	EPA 8015B	· ·
C8 ← HC < C9	ND	0.20	*	- п	#	и «	11	х •	
C9 ← HC < C10	ND	0.20		rt .	n	n	บ	<b>P</b>	101
C10 <= HC < C11	ND	0.20	*	· ·	tt	19	11	st	
C11 <= HC < C12	0.40	0.20	•	ш	D		N	e	
C12 <= HC < C14	2,4	0.20	N	ļi.	n	11	#	н -	
C14 <= HC < C16	2.4	0.20	и	÷ п	*	H	ú	H	
C16 <= HC < C18	1.9	0.20	•	1ª	•	ah	0	*	
C18 <= HC < C20	2.0	0.20	*	IF	W	41 *	27		
C20 <= HC < C24	2.7	0.20	11	II	n	ij	. 4	H	
C24 <= HC < C28	3.4	0.20	11-	n		tr .	я	•	
C28 <= HC < C32	5.9	0.20	18	IJ		44	v	<b>*</b> 3	
HC >= C32	0.64	0.20	10	17		*	ur ur		
Total Petroleum Hydrocarbons (C7-C36)	22	1.0			*	**************************************		*	
Surrogate: o-Terphanyl		%	60-	175	"	#	и	n	S-03



Worley Parsons Komex

3901 Via Oro Avenue, Suite 100 Long Beach CA, 90810-1800 Project: APC

Project Number: H0287D030 Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B

## Sierra Analytical Labs, Inc.

Analyte	Result	porting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
						Tiopated	Umaker	MERIOR	Note
MW1-51607 (0705378-01) Liquid	Sampled: 05/16/07 09:50		eived: 05/1	6/07 13:55	<u> </u>	····			
Benzene	ND	1.0	$\mu$ g/L	1	B7E1706	05/17/07	05/17/07	EPA 8260B	
Bromobenzene	ND	1.0	ıı	n	n		H	ч	
Bromochloromethane	ND	1.0		U .	-0	ļí.	н	41-	
Bromodichloromethane	ND	1,0	n e	i le	li .	ш	N	JI.	-
Bromoform	ND	1.0		D	н	D		ī •	
Bromomethane	ND	1.0	39	ı	И	IP.	•		
n-Butylbenzene	ND	1.0			И	IJ	н	×	
sec-Butylbenzene	ND	1.0	4	11	18		н	<b>H</b> 8	
ert-Butylbenzene	1.3	1.0	•	4	16	II*	н	M 0	-
Carbon tetrachloride	ND	1.0	4.1	4	11	It	e u	. N	
Chlorobenzene	ND	1.0	<b>*</b> *,	<b>H</b>	9	11	п	Я	
Chloroethane	ND	1.0	•	۹.	. 11	0	* 11	н 🙀	
Chloroform	ND	1.0		. и	- 11	ti "	U	.11	1 300
Chloromethane	ND	1.0		и	11	11	IJ	0	
2-Chlorotoluene	ND	1.0	- 14	. 0	н	n	"	al .	
-Chlorotoluene	ND	1.0		U	n	ır	U	u _	
Dibromochloromethane	ND	1.0	19	IF.	и -	ш	. "	N	-2-
,2-Dibromo-3-chloropropane	ND	5,0	4	* 19	, ø		*	ji .	
,2-Dibromoethane (EDB)	ND	1.0		· · ·	Н	n	rt.	ч	
Dibromomethane	ND	1,0	a.		11		R	H 34	
,2-Dichlorobenzene	ND	1.0	Ht.	41	75	п	п		
,3-Dichlorobenzene	ND	1.0	*	+	u	it .	, н	· •	-
,4-Dichlorobenzene	ND	1.0	at-	*		2.17	ıı ıı	н.,	
Dichlorodifluoromethane	ND	1.0	H-	•		u	H	N N	(1)
.1-Dichloroethane	ND	1,0			0 -	17	p p	19	
,2-Dichloroethane	ND	1.0	W			e	-0	11	
,1-Dichloroethene	ND	1.0				11		11	
is-1,2-Dichloroethene	5.4	1.0	N	N	1)	**	li.	0	***
rans-1,2-Dichloroethene	2.3	1.0			"	т п	II.	41	
,2-Dichloropropane	ND	1.0	м	н	ı	ir.	ır	11	
,3-Dichloropropane	ND	1.0	H		P *	46	II.	11	
,3-Dichloropropane	ND	1.0	11	li .	45		#		
,1-Dichleropropene	ND	1.0	11	11			-	ai .	
is-1,3-Dichloropropene	ND	1.0	1)	4	41		н	ы	
rans-1,3-Dichloropropene	ND	1.0	1)	1	11	II.	н	п	
thylbenzene	ND	1.0	11	. 14	и	п	п	n	
zinyroenzene Iexachlorobutadiene	ND	1.0	9	u .	и	ıı	H	d	
	ND .		1)			"			
sopropylbenzene		1.0	n i		11	11	+ "	r.	
o-Isopropyltoluene	2.3	1.0	0	- T	11		* 14	** **	
Methylene chloride	ND	1.0	"	**	" h		H.		×
Methyl tert-butyl ether	ND	1.0	,,	**	4		R	7	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Project: APC

Project Number: H0287D030 Project Manager: Lee Paprocki Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B Sierra Analytical Labs, Inc.

A. dan	B	Rej	orting	Y To !	bank	Detal	Descrit?	A-ct -	Nant at	
Analyte	Result		Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW1-51607 (0705378-01) Liquid	Sampled: 05/16/07	09:50	Recei	ved: 05/	16/07 13:55	5	-			
Naphthalene	ND		1.0	μg/L	1	B7E1706	05/17/07	05/17/07	EPA 8260B	
n-Propylbenzene	ND		1.0		h		n	II	: H	1.0
Styrene	ND		1.0			н	0	ır	ĮI.	
1,1,1,2-Tetrachloroethane	ND		1.0		- X - 1	n	II .		и	
1,1,2,2-Tetrachloroethane	ND		0.1	•	ч	77	"	н	и .	
Tetrachloroethene	ND		1,0	*	и	*	ņ	в	ц	
Toluene	ND		1.0	•	ı,	•	11	h	· ·	
1,2,3-Trichlorobenzene	ND	- 1	1.0	•	n -	н	W .	11	*	
1,2,4-Trichlorobenzene	ND		1.0	٠		11	4	1(	11	
1,1,1-Trichloroethane	ND		1.0		÷ 10	<b>9</b>	¥f	- 11	13	
1,1,2-Trichloroethane	ND		1.0	*	#	•	a.*	11	. u	
Trichloroethene	41	•	1.0	*	10	*	N	11	11	170
Trichlorofluoromethane	ND	-	1.0	¥	И			Ħ	4	
1,2,3-Trichloropropane	ND		1.0	. 11	M	•	- h	*	u u	
1,2,4-Trimethylbenzene	ND		1.0	19	-14	W		PF	11	
1,3,5-Trimethylbenzene	ND		1.0	II.		. · ·	#	4	ie .	
Vinyl chloride	13		1.0	*	n	17	u	l)		
m,p-Xylene	ND		1.0		n	Ħ	0	19	•	
o-Xylene	ND		1.0	II		#	II	ч :	in .	
Surrogate: Dibromofluoromethane			08 %	86-	118	"	"	a	H	
Surrogate: Toluene-d8		1	05 %	88-	-110	u	*	n	"	
Surrogate: 4-Bromofluorobenzene		1	13 96	86.	115	- #	н	и	#	
MW2-51607 (0705378-02) Liquid	Sampled: 05/16/07	10:30	Recei	ved: 05/	16/07 13:55					
Benzene	2.6		1.0	μg/L	1	B7E1706	05/17/07	05/17/07	EPA 8260B	···
Bromobenzene	ND		1.0	10	N	N	11	le .	н	
Bromochloromethane	ND		1.0	7)	Ħ	*	0	"	п	
Bromodichloromethane	ND		1.0		31		н	ly .	н	•
Bromoform	ND		1.0	19	11	×	14	hy	19	
Bromomethane	ND		1.0	U	11		u (2)	U.	н *	
n-Butylbenzene	ND		1.0	ıı	9		a	b	-	
sec-Butylhenzene	14		1,0	U	11	m	u	**	34	
tert-Butylbenzene	2.4		1.0	11-	4	I#	H	н	10	
Carbon tetrachloride	ND		1.0	0	•	k	-11		μ	
Chlorobenzene	ND		1.0	n	M	H	, ri	l)		
Chloroethane	ND		1.0	tr	•	и	L)	Pt .	19 0	
Chloroform	ND		1.0	hP .	И	R	Alt	l _t	н	
Chloromethane	ND		1.0	11	u	п	11	1)	н	
2-Chlorotoluene	ND		1.0	v	*		W	"	0	
200.000,000,000,000	ND							u	31	
4-Chlorotoluene	171.3		1.0			_		**		



Project: APC

Project Number: H0287D030

Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

### Volatile Organic Compounds by EPA Method 8260B

### Sierra Analytical Labs, Inc.

Analyte	Result	Rep	orting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW2-51607 (0705378-02) Liquid	Sampled: 05/16/07 10:	30	Recei	ved: 05/1	6/07 13;55	-	. c. x	*	· · · · · · · · · · · · · · · · · · ·	
1,2-Dibromo-3-chloropropane	ND		5,0	μg/L	1	B7E1706	05/17/07	05/17/07	EPA 8260B	
1,2-Dibromoethane (EDB)	ND		1.0	U	11		× •	le .	b)	
Dibromomethane	ND		1.0	er .	u		, я		ו	
1,2-Dichlorobenzene	ND		1.0	- 11	tr	10	ц	и	II .	
1,3-Dichlorobenzene	ND		1,0	H	D	н	M	* #	N	
4-Dichlorobenzene	ND		1.0	я -	. 7		н	<b>u</b>	er e	
Dichlorodifluoromethane	ND		1.0	M	n	1	и	u .	(1	17.
1,1-Dichloroethane	ND		1.0	H	n	TI .	h		п	
1,2-Dichloroethane	ND		1.0		м	0	n	п	п	
l,1-Dichloroethene	ND		1.0	ш	m	. 11	ıı	N (±)	*1	1
cis-1,2-Dichloroethene	ND		1.0	и 🖂	ri,	17	, it	lr .	н , 🗦 ,	
rans-1,2-Dichloroethene	ND		1.0		-	ν,	0 4	IF .	11	
1,2-Dichloropropane	ND		1.0				⊕ II	o Ir	Σ π ≐	1
1,3-Dichloropropane	ND		1.0	w	<b>#</b> 8	<b>u</b>		II.	н	*
2,2-Dichloropropane	ND		1.0	-00 <b>e</b>	<b>B</b>	7	li .	- n	· п	
,1-Dichloropropene	ND		1.0		w	19	10 II		#1	
sis-1,3-Dichloropropene	ND		1.0		H	#	u u	0 17	rl	
rans-1,3-Dichloropropene	ND		1.0	п	He.		10-	11	n n	
Ethylbenzene	ND		1.0	n	16			r r	-ti	
Hexachlorobutadiene	ND		1.0	н	ır		U		ji.	
Isopropylbenzene	53		1.0	ш	III.		N	IF	10.	
p-Isopropy)toluene	4.1		1.0	ш	п		n	D	п	
Viethylene chloride	ND		1.0	*		•	IJ	16	ii.	*
Methyl tert-butyl ether	1.9		1.0	II.	II.		IF		п	
Naphthalene	ND		1.0	D *	0			0	- 0	
n-Propylbenzene	3.7		1.0	H	ır	₩ ₩	IF.	10	II.	
Styrene	ND		1.0	*			U	D	11	
1,1,1,2-Tetrachloroethane	ND		1.0	и	ıı	H	μ	10	= _0	
,1,2,2-Tetrachloroethane	ND		1.0	H	4	,	II @	le .	10	
retrachloroethene	ND		1.0	н	и	4	lı .	и	- Ö	
Coluene	ND		1.0	,	11		u	,	-0	
,2,3-Trichlorobenzene	ND		1.0		±.,				u	
	ND		1.0	*				,	11	
,2,4-Trichlorobenzene							,,		ū	
1,1,1-Trichloroethane	ND		1.0	19		н	 U	D.	11	
,1,2-Trichloroethane	ND ND						,,		н :	
Prichloroethene			1,0			-	,	14	n	
Trichlorofluoromethane	ND -		1.0	-		-	. "		 b	
,2,3-Trichloropropane	ND		1.0			-	,		th	-1-
,2,4-Trimethylbenzene	ND		1.0		÷ "	-		,	ji (l-	
,3,5-Trimethylbenzene	ND		1.0			-		"	"	
Vinyl chloride	24		1,0	*	j <b>i</b>	•		ц	Ü	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety,



Worley Parsons Komex 3901 Via Oro Avenue, Suite 100

Long Beach CA, 90810-1800

Project: APC

Project Number: H0287D030 Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units Dilution	Batch	Prepared	Analyzod	Method	Note
MW2-51607 (0705378-02) Liquid	Sampled: 05/16/07 10:	30 Rece	ived: 05/16/07 13:	55				
m,p-Xylene o-Xylene	ND ND	1.0 1.0	μg/L 1	B7E1706	05/17/07	05/17/07	EPA 8260B	
Surrogate: Dibromofluoromethane		103 %	86-118	Tr.	U	n	.,	
Surrogate: Toluene-d8	44	106%	88-110	fr	u ,	tt.	"	
Surrogate: 4-Bromofluorobenzene	7.1	110%	86-115	#	H ,	T)	ıı	
MW3-51607 (0705378-03) Liquid	Sampled: 05/16/07 11:	05 Rece	lved: 05/16/07 13::	35			-1-	
Benzene	2.1	1.0	μ <b>g/L</b> 1	B7E1706	05/17/07	05/18/07	EPA 8260B	- · · · · · ·
Bromobenzene	ND	1.0			4	Ħ	N	
Bromochloromethane	ND	1.0	0 0		ir	n	н	
Bromodichloromethane	ND	1.0	9 9	w - 5		17		
Bromoform	ND	1.0	rt ff	<b>ja</b>		H	W (m)	
Bromomethane	ND	1.0	p :		N		<b>*</b> 3	
n-Butylbenzene	ND	1.0	If tr		• 9	H 2		* T .
sec-Butylbenzene	16	1.0	11 11	le le		#		+ -
tert-Butylbenzene	ND	1.0	19 87		le .	#	. • .	
Carbon tetrachloride	ND.	1.0	1) × #		H	*		
Chlorobenzene	ND	0.1		м			n - 1	
Chloroethane	ND	1.0	ч 0	10		**		-
Chloroform	ND	1.0	D 0	11	R	11	п	
Chloromethane	ND	1.0	pr et	и	•			
2-Chlorotoluene	ND	1.0	н	76	н .	•		
4-Chlorotoluene	ND	1.0	ų #	a	· N	n		
Dibromochloromethane	ND ND	1.0	N Mr		II	н		- 30
1,2-Dibromo-3-chloropropane	ND	5.0	n a	H	ul	Ħ	N	
1,2-Dibromoethene (EDB)	ND	1.0	н п	th	ıt	. п	Ħ	
Dibromomethane	ND	1.0		11	н	U	ш	
1,2-Dichlorobenzene	ND	1.0	и и	n	ıı	q	N	
1,3-Dichlorobenzene	ND	1.0	e H	0	nt-	e		
1.4-Dichlorobenzene	ND	1.0	P & M	4	ut	ar .		
Dichlorodifluoromethane	ND	1.0	r n	ų.	IF	н	n	
1,1-Dichloroethane	ND	1.0	n tt	т *	HP	स	<b>b</b>	
1,2-Dichloroethane	ND	1.0		#	м	u u	D	
1,1-Dichloroethene	ND	1.0	v #	U	N	**		
cis-1,2-Dichloroethene	ND	1.0	ar W	0	n+	11	D	
trans-1,2-Dichloroethene	ND	1.0	r #	n	В	*		
1,2-Dichloropropane	ND	1.0	(f)H	*	ır	H	#	
1,3-Dichloropropane	ND	1,0	* #	70	s#	14	H	
2,2-Dichloropropane	ND	1.0		a	*	b	11	
1,1-Dichloropropene	ND	1.0	* *		• 17		17	
cis-1,3-Dichloropropene	ND	1.0	p m	я		n#	н -	



Worley Parsons Komex

3901 Via Oro Avenue, Suite 100 Long Beach CA, 90810-1800 Project: APC

Project Number: H0287D030

Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B

## Sierra Analytical Labs, Inc.

		porting	Units	Dilution	Batch	Propared	Analyzed	Method	Note
Analyte	Result	Limit				Propared	Analyzed	Method	Non
MW3-51607 (0705378-03) Liquid	Sampled: 05/16/07 11:05	Rece	ived: 05/16/0	7 13:5	5				
trans-1,3-Dichloropropene	ND	1.0	μg/L	1	B7E1706	05/17/07	05/18/07	EPA 8260B	
Ethylbenzene	ND	1.0	N	11		H	н	**	
Hexachlorobutadione	ND	1.0	•	ır	*	ч	и,	•	
Isopropylbenzene	68	1.0	н	fr.	*	H	II		
p-Isopropyltoluene	4.1	1.0	9.10	н	73	- 11			
Methylene chloride	ND	1.0	ø	rl	**		16		
Methyl tert-butyl ether	1.1	1.0	. 9	11	· · ·	Ð	•	h	
Naphthalene	2,2	1.0	0	- 0.	"	0			
n-Propylbenzene	4.4	1.0	и	11	"		ĮII.	10	
Styrene	ND .	1.0	11	10	nt .	*	19	71	
1,1,1,2-Tetrachloroethane	ND	1.0	rt	19	M		19	. n	
1,1,2,2-Tetrachloroethane	1.5	1.0	*		v	•	· •	u.	10
Tetrachloroethene	. ND	1.0	H	n	"		10	U	
Toluene	ND	1.0	Ħ	1	n.	N	11	ır .	
1,2,3-Trichlorobenzene	. ND	1.0	*	n, n,	H _c		36	*	
1,2,4-Trichlorobenzene	ND	1.0	*	н	•	19	н	•	
1,1,1-Trichloroethane	ND	1.0	n	0	9	17	12	•	
1,1,2-Trichloroethane	ND	1,0	0	36	"	17	la .	×	
Trichloroethene	ND	1.0	4	н	đ		11		
Trichlorofluoromethane	ND .	1.0	•	и			ш	Ħ	
1,2,3-Trichloropropane	ND	1.0	H	ıı.	ø	R.	1)	n	
1,2,4-Trimethylbenzene	ND	1.0	×	18	ø		13	U	
1,3,5-Trimethylbenzene	ND	1.0	н	- 4	PF.		4r	v	*
Vinyl chloride	32	1.0	16	.0	n	*	92		
m,p-Xylene	ND	1.0	U	U	*	a di	#1	*	
o-Xylene	ND	1.0	n -x-	U	п	đ	**	•	
Surrogate: Dibromofluoromethane		101%	86-11	3	"	"	"	11	
Surrogate: Toluene-d8		104%	. 88-110			rr	"	11	
Surrogate: 4-Bramofluorobenzene		108 %	86-11.		"	•	71	,,	



Project APC
Project Number: H0287D030
Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B Sierra Analytical Labs, Inc.

Analyte	Result		nting Junit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW4-51607 (0705378-04) Liquid	Sampled: 05/16/07 11:	50	Recei	ved: 05/1	6/07 13:55		*			
Benzene	6,2		1.0	μg/L	1	B7E1706	05/17/07	05/18/07	EPA 8260B	
Bromobenzene	ND		1.0	•	11	it.	н	D	u u	
Bromochloromethane	ND		1.0		u	Н		H		
Bromodichloromethane	ND		1.0		()	. н	H-I-M		u ÷	
Bromoform	ND		1.0	•	11	м	**	u ×	+ н	
Bromomethane	ND		1.0	,	11	н	11	n .	o	
n-Butylbenzene	ND		1.0		ıŧ	41	u	fq	ж	
sec-Butylbenzene	15		1.0	•	н	19	п 1	ч	H **	
tert-Butylbenzene	1.7		1.0	•			R	n	Ħ	
Carbon tetrachloride	ND		1.0		Nº T	1) -		h	11	
Chlorobenzene	ND		1.0	*	H	11	-10	Ä	16	
Chloroethane	ND .		1.0		ie.	H 275	3.0	μ	tę .	
Chloroform	ND		1.0				- n - 1		tr -	
Chloromethane	ND		1.0	K	r.	u i	n *	•	W	
2-Chlorotoluene	ND		1.0	IP.			и	**	#	
4-Chlorotoluene	ND		1.0	D.	ıj	蜂		lr .	h (i)	
Dibromochloromethane	ND		1.0	IP.	ĮI.			· Ir	н ў	
1,2-Dibromo-3-chloropropane	ND		5.0	P	н	#	н	l;	rs	
1,2-Dibromoethane (EDB)	· ND		1.0	ı	0 0	III	19		ø	
Dibromomethane	ND		1.0	H	IJ	1)	ıt	U	1)	
1.2-Dichlorobenzene	ND		1.0	n	11	¥F	"	h	**	
1,3-Dichiorobenzene	. ND		1.0	i ur	ıl	P		ı,	U	
1,4-Dichlorobenzene	ND .		1.0	п	Table 18	n	H		tr	
Dichlorodifluoromethane	ND		1.0	. 4	u	v		u	16	
1,1-Dichloroethane	ND		1.0	4:	#1	19	47	11	11	
1,2-Dichloroethane	ND		1.0	4	D	19	¥	li li	н	
1,1-Dichloroethene	ND		1.0	4	47	11	" .	и.	и	
cis-1,2-Dichloroethene	2.2		1.0	41		4	•	и	и	
trans-1,2-Dichloroethene	ND		1.0			su .		11.	× P	
1,2-Dichloropropane	. ND		1.0	15	ч	*	н	п	,ii	
1,3-Dichloropropane	ND "		1.0	di	It	¥	eb	n	н	
2,2-Dichloropropane	ND		1.0	9	.re		11	h	и	
1,1-Dichloropropene	ND		1.0	31		**	11	η	я	
cis-1,3-Dichloropropene	ND		1.0	н .		Ħ	Ħ	1	ø	
trans-1,3-Dichloropropene	ND		1.0	91	•	17	11	ч	ч	
Ethylbenzene	ND		1.0	n	M	qr	#	ч	19	
Hexachlorobutadiene	ND		1.0	н	0.		IS.	16	11	
Isopropylbenzene	78		1.0	ri-	41	"	u•	la .	11	
p-Isopropyltoluene	4,0		1,0	rl	N	ti	i <del>a</del>	10	п	
Methylene chloride	ND		1.0	re .	17	7		ú	ц	
Methyl tert-butyl ether	1.5		1,0	ıı	*		u u	4	b)	



Project APC
Project Number: H0287D030
Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B Sierra Analytical Labs, Inc.

Analyte	Result	teporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW4-51607 (0705378-04) Liquid	Sampled: 05/16/07 11:5	0 Rece	ved: 05/1	16/07 13:55	5 .	<del></del>			
Naphthalene	ND	1,0	μ <b>z/</b> L	1	B7E1706	05/17/07	05/18/07	EPA 8260B	
n-Propylbenzene	5.2	1.0	н	30	•	. 0	11	и .	*
Styrene	ND	1.0	11	.0	9	TI.	11	11	
I,1,1,2-Tetrachloroethane	ND ·	1.0	P P	ji .		17	- 41	U	
1,1,2,2-Tetrachloroethane	ND	1.0	11	.01	Ħ	e y	11	IJ	
Tetrachloroethene	15	1.0		1.00	11	ti	ti .	16	1.
Toluene	ND	0.1	N		ш	* 0	9	u :	
I,2,3-Trichlorobenzene	ND	1,0	- N	.0	н	16	17	IJ	
1,2,4-Trichlorobenzene	ND	1.0	н	50	U	17	11	11	
1,1,1-Trichloroethane	ND	1.0	h	.0	4 0	10	11	41	
1,1,2-Trichloroethane	ND	1.0	M	ii ii	N	11	. "	#	+ .
Trichloroethene	4.0	1.0	*	cũ -	н	(i) e	11	11	
Trichlorofluoromethane	ND	1,0		00	р	0	11	u	
1,2,3-Trichloropropane	ND	1.0	<b>H</b>	0	· •	19		н	
1,2,4-Trimethylbenzene	ND	1,0	•	cúr	*	× 11	11	* 0	
1,3,5-Trimethylbenzene	ND	. 1.0	*	g of a		T	11	₩	
Vinyl chloride	24	1.0	F	11		11	11	п	
m,p-Xylene	ND	1.0	N	ei(	и	10	11	н	
o-Xylene	ND	1.0	H	11	d	*	11	я	
Surrogate: Dibromofluoromethane		103 %	86-	118	n		r	'n	
Surrogate: Toluene-d8	*	103 %		110	n	a	#	<i>12</i>	- 1
Surrogate: 4-Bromofluorobenzene		112 %		115	n	ы	#	£	
EB-51607 (0705378-05) Liquid S	ampled: 05/16/07 10:00	Receive	d; 0 <b>5/16/</b>	07 13:55	. (				
Benzene	ND	1.0	μg/ <b>L</b>	1	B7E1706	05/17/07	05/18/07	EPA 8260B	
Bromobenzene	ND	1.0	*	ii.	11	th.	. 31	II	
Bromochloromethane	ND	1.0	<b>b</b>	n		6	1Ē	· o	
Bromodichloromethane	ND	1.0	н	· n	10	0	n	ð	
Bromoform	ND	1.0	w	И	41	tr.	đ	ú	
Bromomethane	ND	1.0		И	11	e	16	11	
n-Butylbenzene	ND	1.0	n	11	17	47	41	11	-
sec-Butylbenzene	ND	1.0	0 <b>F</b>	11	14	11	13	11	
tert-Butylbenzene	ND	1.0		- 10	19	11	ţı.	#	
Carbon tetrachloride	ND	1.0	N III	li .	н	ø	11	н	
Chlorobenzene	ND	1.0		- ij	н	h	n	о <b>и</b> -⊗	
Chloroethane	ND	1.0	H	ú.	н	μ	il	#	
Chloroform	ND	1.0		11 -	п		12	Ħ	
Chloromethane	ND	1.0	#	i ii	, re	h	μ	w	
2-Chtorotoluene	ND	1.0	*	, sile	п	и	H	财	
	- 1/2/		_	11			n	_	
4-Chlorotoluene	ND	1.0	4	"	P.	-	n		



Project: APC

Project Number: H0287D030 Project Manager: Lee Paprocki Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EB-51607 (0705378-05) Liquid	Sampled: 05/16/07 10:00	Receive	d: 05/16/0	07 13:55				Ĭ.	
,2-Dibromo-3-chloropropane	ND	5.0	<b>μ</b> g/L	I -	B7E1706	05/17/07	05/18/07	EPA 8260B	-
L,2-Dibromoethane (EDB)	ND	1.0		II *	IJ	II.	H	n	
Dibromomethane	ND .	1.0	•		11	H	N	- a	
1,2-Dichlorobenzene	ND	1.0	N	•	15	11	li,		
,3-Dichlorobenzene	ND	1.0	•	н	*	II .	P		
.,4-Dichlorobenzene	ND	1.0	н	. P	at T	E #	Ħ	э .	*
Dichlorodifluoromethane	ND	1.0		н	0	•	H	n l	ž.
1,1-Dichloroethane	ND	· 1.0	•	H	19	11	Li	12	
1,2-Dichloroethane	ND	1.0	n	)I		It.	at a	"	
1,1-Dichloroethene	ND	1.0	h		•	Ħ	ri	я	
cis-1,2-Dichloroethene	ND	1.0	•	н	U	ж. и	h	•	
rans-1,2-Dichioroethene	ND -	1.0		* *	ø	ш.	0'	y	
1,2-Dichloropropane	ND .	1.0	* p	H	"	1)	H	•	
1,3-Dichloropropane	ND	1.0	'n	M - 9	0	* п	11	+ н	-1-
2,2-Dichloropropane	ND	1.0	•	pl	0	N .	rl	4	×
1,1-Dichloropropene	ND	* 1.0	н	*	10 1	e	ii Ir	19	
cis-1,3-Dichloropropene	ND	1.0			17	U	£P	9 *	
rans-1,3-Dichloropropene	ND	1.0	н -	н	- (c) - H	U	P	19	38.7
Ethylbenzene	ND *	1.0	0	'n		н	rl	ď	
-lexachlorobutadiene	ND	1.0		w	D		*	*	
sopropylbenzene	ND	1.0	n	M .		33	11		
-Isopropyltoluene	ND	0.1	7		# Dec -	. 1)	IF.	* -	
Methylene chloride	ND	1.0	- 13: - II	N	P	π	11	17	
Methyl tert-butyl ether	ND	1.0	.9			R	11		
Vaphthalene	ND	1.0	ii e		w	- 10	961	7	÷
1-Propylbenzene	ND	1.0		#		* *	20		
Styrene	ND	1.0	U		n	D	l+	19	
1,1,1,2-Tetrachloroethane	ND	1.0	0	h	п	B 1 2	11	9	
1,1,2,2-Tetrachloroethane	ND	1.0	D	d	IP		Ob.		(*)
l'etrachloroethene	ND	1.0	п	19	м		n	,,	
l'oluene	ND	1.0	* 0		*-		u	a	- X
1,2,3-Trichlorobenzene	ND	1,0	· .		*	Nt.	II.	л	÷
1,2,4-Trichlorobenzene	ИD	1.0	n	*	re .	+	pr	11	
i, 1, 1-Trichloroethane	ND	1.0	0	n			н	n	*
1,1,2-Trichloroethane	ND	1.0		19			rt	d	
	1.8	1.0	p.	ų		и	bi .	11	
Frichloroethene Frichlorofluoromethane	ND	1.0	1)			ıt.	57	ıŧ	
	1.9	1.0		4	H	ı,	n a		+
1,2,3-Trichloropropane	· ND	1.0		11	n.	,,	w	п	
1,2,4-Trimethylbenzene				*	n)	. "			
1,3,5-Trimethylbenzene Vinyl chloride	ND ND	1.0 1.0		r u		u u			



Project: APC

Project Number: H0287D030 Project Manager: Lee Paprocki Reported: 05/25/07 09:04

Volatile Organic Compounds by EPA Method 8260B

### Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Methed		Notes
EB-51607 (0705378-05) Liquid	Sampled: 05/16/07 10:00	Received	d: 05/16/	07 13:55	<del>, ,</del>	×		2		
m,p-Xylene	ND	1,0	μg/L	L	B7E1706	05/17/07	05/18/07	EPA 8260B		
o-Xylene	ND	1.0	IP.	17	10	9	H	ø	×	
Surrogale: Dibromofluoromethane		103 %	86-	118	P	R	н	16		
Surrogate: Toluene-d8		103 %	88-	110	*	Nº	*	"		
Surrogate: 4-Bromofluorobenzene	*	115 %	86-	115	*	nr.	*	22		
FB-51607 (0705378-06) Liquid	Sampled: 05/16/07 10:05	Received	i: <b>05/</b> 16/	07 13:55						
Benzene	ND	1.0	μg/L	1	B7E1706	05/17/07	05/18/07	EPA 8260B		
Bromobenzene	ND	1.0	17	11	, ti	η	17	"		
Bromochloromethane	ND	1.0	.4.	II .	30	v	ø	H		
Bromodichloromethane	ND	1.0	-11		н		įl.	10		
Bromoform	ND	1.0	μ		u, i	• •	ы	10		
Bromomethane	ND	1.0	н	*	п		rl y	100		
n-Butylbenzene	ND	1.0		ď	0	н -	Н			
sec-Butylbenzene	, ND	1.0	17	11	U	3	ų.			
tert-Butylbenzene	. ND	1.0		н	90	11	ti.	p p		
Carbon tetrachloride	ND	1.0	in .	'n	п	н	ff. ·	н		
Chlorobenzene	ND	1.0	41	M	'n	4	ų.	- ii	*	
Chloroethane	ND	1.0		*	11		11	п		
Chloroform	ND	1.0		n	9		, JI	l1		
Chloromethane	ND	1.0	×	U	н	- N	u	и -	-	
2-Chlorotoluene	ND	1.0	19	tr.	p	0	н	14		
4-Chlorotoluene	ND	1.0	10	*		h	ft	ń		
Dibromochloromethane	ND	1.0	71	n	· M	*	II.	- W		
1,2-Dibromo-3-chloropropane	ND	5.0	M	n	ų.	W	at .	30		
1,2-Dibromoethane (EDB)	ND	1.0	ji-	п	tı .	A	ji .	ir.		
Dibromomethane	ND	1.0		U	n	*	Н	19		
1,2-Dichlorobenzene	ND	1.0	al	ų	o T		+1	и		
1,3-Dichlorobenzene	ND	1.0	н	*	4	•	'u ' -	11		
1,4-Dichlorobenzene	ND	1.0	n	N			0	п		
Dichlorodiffuoromethane	ND	1.0	D	п	*	×	14	11		
1.1-Dichloroethane	ND	1.0		u ÷			ır	-11		
1,2-Dichloroethane	ND	1.0		r			p)	11		
1.1-Dichloroethene	ND	1.0		ii.	1)		Н	11		
cis-1,2-Dichloroethene	ND	1.0	п	н	1)	N	μl	I†		
trans-1,2-Dichloroethene	ND	1.0	9 -	н	· P	19	0	14		
1,2-Dichloropropane	ND	1.0	1)	11	N	11	>60	и		
1,3-Dichloropropane	ND	1.0		h	N	19	0	и		
2,2-Dichloropropane	ND	1.0	•	11		17	и	ч		
1,1-Dichloropropene	ND	1.0	N	ít	п	D	į.	* 11		
cis-1,3-Dichloropropene	ND	1.0	н		. 11	н	ų.	17		
era-1'9-Dieurotohiobana	עויו	1.0						-		



Project: APC

Project Number: H0287D030 Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B

## Sierra Analytical Labs, Inc.

Analyte	-	Result	. 3	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
FB-51607 (0705378-06) Liquid	Sampled:	05/16/07 1	0:05	Receive	d: 05/16/0°	7 13:55					
trans-1,3-Dichloropropene	· ×	ND		1.0	μg/L	1	B7E1705	05/17/07	05/18/07	EPA 8260B	
Ethylbenzene		ND		1.0	Hoo	11		ш	19	P	
Hexachlorobutadiene		ND		1.0	H	34	1)	II .	U	н	
Isopropylbenzene		ND-		1,0	п	#	e	"	- н	11	- 1
p-Isopropyltoluene		ND		1.0		v	1)	U	at	11	
Methylene chloride		ND		1.0	•		·π	ø	n	H (8-3)	
Methyl tert-butyl ether		ND		1.0	W	п		u ·	0	и *	×
Naphthalene	-	ND		1.0	N	п		u -	e n	ħ	
n-Propylbenzene		ND	*1-	1,0	п		*	D *	"	Ħ	
Styrene		ND		1.0	н	н	*	U		U	
1,1,1,2-Tetrachloroethane		ND		1.0	н	n .	- н	"		0	
1,1,2,2-Tetrachloroethane	*	ND		1.0	N	ti		U	u u		
Tetrachloroethene		ND		1.0	P .			P\$	•	U	
Toluene		ND		1.0	н		. #	er er	0	11	
1,2,3-Trichiorobenzene		ND		1.0	II.	w		tr .	*	1)	
1,2,4-Trichlorobenzene		ND		0.1	и	4 -	· *	p		U	- 0
1,1,1-Trichloroethane		ND		1.0		n	и 4, 2			0	
1,1,2-Trichloroethane		ND		1.0		Rt.	16	. 0		U	
Trichloroethene		ND		1.0	n	H.		ы	ν		
Trichlorofluoromethane		ND		1.0	ı,		i <del>e</del>	в.	п		
1,2,3-Trichloropropane		ND		1.0	ji.	IF	ir .		Ħ		
1,2,4-Trimethylbenzene		ND		1.0	Ŋ	n•	ir .	JP.	*		
1,3,5-Trimethylbenzene		ND		1.0	н	w.	H	ji .	as the	<b>*</b> *	
Vinyl chloride		ND		1.0	A	ır	II.	н	ч	*	* ++
m,p-Xylene		ND		1.0	• 1	: n :	11	n	N .	Ħ	
o-Xylene		ND		1.0	•	II.	11	100	H .	н	
Surrogate: Dibromofluoromethane	3	×		107%	86-1	18	н .	н	n	0	
Surrogate: Toluene-d8				103 %	88-1.	10	"	te	<b>N</b>	n	
Surrogate: 4-Bromofluorobenzene				112%	86-1	15	11	,,,	А	n	



Worley Parsons Komex 3901 Via Oro Avenue, Suite 100

3901 Via Oro Avenue, Suite 10 Long Beach CA, 90810-1800 Project: APC

Project Number: H0287D030

Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B

## Sierra Analytical Labs, Inc.

Analyte	X.	Resu	Iţ	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-51607 (0705378-07) Liquid	Samp	led: 05/16/0	7 00:00	Receive	d: 05/10	6/07 13:55					
Benzene		NI		. 1.0	µg/L	1	B7E1706	05/17/07	05/18/07	EPA 8260B	1-1
Bromobenzene		NI	)	1.0		n	tf		40	H	
Bromochloromethane		NI		1.0	. и	0.	. "	16	11	11	
Bromodichloromethane		NI	)	1.0	11*	- 49	н	*	10	6 *	
Bromoform		NI	)	1.0	11	18	Ч	4	ip.	II II	
Bromomethane	0	N		1.0	н	. 10	PF	"	il.	*	
n-Butylbenzene		NI	)	1,0	к	19	n.	н	0.	H	
sec-Butylbenzene		NI	)	1.0		. и	li .	H-+	· ·	π.	
tert-Butylbenzene		NI	)	+ 1.0	π	: g		N *		0	
Carbon tetrachloride		NI	)	1.0	u	D	н	P.	Į.	0 0	
Chlorobenzene		NI	)	1.0	91	D	, T. p.	п	. 16		
Chloroethane		NI	)	• 1.0	u	* ¥	n	(1	19	, in	
Chloroform	-9-	N.	)	1.0	u	* .	u u	II.	2		1-
Chloromethane		NI	)	1.0	**	H	19	1)		Ħ	
2-Chlorotoluene		NI	)	1.0	n		HS	*		11	
4-Chlorotoluene		NI	)	1.0	<b>16</b> (0)	D			D.	n · ·	
Dibromochloromethane		NI	)	1.0	Ð	"	ji .	N	18		
1,2-Dibromo-3-chloropropane		NI	)	5.0	0	*	W	η	ø	*	
1,2-Dibromoethane (EDB)		NI	5	1.0		u	n	"	44	Ħ	
Dibromomethene		NI	<b>3</b>	1.0	**	u	11	U	¥	. 4	
1,2-Dichlorobenzene	4	NI		1.0	н			ĮI.			-1-
1,3-Dichlorobenzene		NI	)	1.0	19	н	•	т	9	9	
1,4-Dichlorobenzene		NI		1.0	j <b>i</b>	n	*	0.0	- ° 0	41	
Dichlorodifluoromethane		NI		1.0		R	16	17	rt ·	•	
1,1-Dichloroethane		NI	)	1.0	D	н	. 11			п	
1,2-Dichloroethane		NI		1.0	· a	- u	ŋ	"	Ħ	11	
1,1-Dichloroethene	*	NI		1.0	14			n	н	tı	
cis-1,2-Dichloroethene		NI		1.0	It	u	A	LI		<b>∞ n</b>	
rans-1,2-Dichlaroethene		NI		1.0	н		и	-0	11	n	
1,2-Dichloropropane		NI		1.0	j¢.	и	ń	-0	9	pl .	
1,3-Dichloropropane		NI		1.0	и	HF	н	ж. П	u u	н	
2,2-Dichloropropane		NI		1.0	11	4	10	"		'n	
1,1-Dichloropropene		NI		1.0	0.5	н	v	It	*	u	
sis-1,3-Dichloropropene		NI		1.0	0.			N:		Ü	
mns-1,3-Dichloropropene		NI		1.0	D.	•	•	н	41		
Thulbenzene		NI		1.0	П	н	*	0.	a	v	
Hexachlorobutadiene		NI		1.0	п.,.	N		ň.	4	D.	
sopropylbenzene		NI		1.0	4	n	×	ù	н	H.	
o-Isopropyltoluene		NI		1.0	Dr.		g - X	. н	=	40	
Methylene chloride		NI		1.0	a	II.	ń	и		k#	
Methyl tert-butyl ether		NI		1.0	n		a	*			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Project: APC
Project Number: H0287D030
Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B Sierra Analytical Labs, Inc.

Analyte		Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-51607 (0705378-07) Liquid	Sampled: 05/	16/07 00:00	Receive	d: 05/16/	07 13:55					
Naphthalene	1	ND ·	1.0	μg/L	1	B7E1706	05/17/07	05/18/07	EPA 8260B	
n-Propylbenzene		ND	1.0	, II .	41	(1	11.			
Styrene	:	ND	1.0	* Ip	0	н		, *	11	
1,1,1,2-Tetrachloroethane		ND	1.0	M	И	lr .	* M	11		
1,1,2,2-Tetrachloroethane		ND	1,0	41	h	P B		17		
Tetrachloroethene		ND	1,0	. "	н	п	н	U	н	
Toluene	*	ND	1.0	al	II	п	,51	•	N	
1,2,3-Trichlorobenzene	-	ND	1.0	11		•	18	, N	*	
1,2,4-Trichioro benzene		ND .	1.0	ty.	*	(1	W	н	Nt.	
1,1,1-Trichloroethane		ND	1.0	н	I <del>I</del>	11	ıı	FF.	* 0	
1,1,2-Trichloroethane		ND	1.0 .	-	0		M	ø	ri *	
Trichloroethene		ND	1.0	h	· · ·	∞ Ir	h	11	<b>a</b>	
Trichlorofluoromethane	- 20	ND	1,0	*	н	ır ı		<b>11</b> 🕚		
1,2,3-Trichloropropane		ND	*1.0	41	4	II.		п		
1,2,4-Trimethylbenzene		ND	1.0	ч	•	U.	n	π	*	
1,3,5-Trimethylbenzene	4-	ND	1.0	n	II .	-30	II.	ut.	- de - P	1.40
Vinyl chloride		ND	1.0	4	· ir		r.	15	W	
m,p-Xylene		ND	1.0	× H	* = п	H	н	U	N	
o-Xylene		ND	1.0		ŢL.	H	11	11		
Surrogate: Dibromofluoromethane	2		103 %	86-			N	, pu	<b>H</b>	
Surrogate: Toluene-d8			103 %	- 88-	110	"	. "	n	*	
Surrogate: 4-Bromofluorobenzene			110%	86-	115	**	"	R	π	



Project: APC

Project Number: H0287D030 Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

# Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control Sierra Analytical Labs, Inc.

1,						<del>'</del>				
		Reporting		Spike	Source		%REC		RPD	
Analyte	Rosult	Limit	Units	Level	Result	<b>KREC</b>	Limits	RPD	Limit	Notes

Dia-1- (D791110 D1 V1)				Dunmant 4 6	a dealer-	ti namaini	7			
Blank (B7E2330-BLK1) HC < C8	ND	0.010	mg/L	Prepared &	£ Analyzed	1: 05/22/0	<u> </u>			
C8 <= HC < C9	ND	0.010	mg/r			6.				
C9 <= HC < C10	ND	0.010	ır.							
C10 <= HC < C11	ND	0.010								
C11 <= HC < C12	ND	0.010								
C12 <= HC < C14	ND	0.010							111	
C14 <= HC < C16	ND	0.010					-1-1			
C16 <= HC < C18	ND	0.010	e .							
C18 <= HC < C20	ND	0.010	D-							
C20 <= HC < C24	ND	0.010								
C24 <- HC < C28		0.010	n.							
	ND		13		-	•				
C28 <- HC < C32	ND	0.010		(4)	4					
HC >= C32	ND	0.010								
Total Petroleum Hydrocarbons (C7-C36)	ND	0.050						35		
Surrogate: o-Terpheny!	0.153			0.100	•	153	60-175			
LCS (B7E2330-B91)				Prepared &	k Analyze	1: 05/22/0	7			
Diesel Range Organics (C10-C24)	0.518	0.050	mg/L	0.500		104	80-120			
LCS (B7E2330-BS2)			,	Prepared 8	Ł Analyzed	l: 05/22/0'	7		8 .	
Diesel Range Organics (C10-C24)	0.490	0.050	mg/L	0.500		98,0	80-120		***************************************	- E -
LCS Dup (B7E2330-BSD1)				Prepared &	ž Analyzac	1: 05/22/01	7	131		
Diesel Range Organics (C10-C24)	0.508	0.050	mg/L	0.500		102	80-120 1.95		30	

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Project: APC

Project Number: H0287D030 Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

## Sierra Analytical Labs, Inc.

×		Reporting	Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units Level	Result	%REC	Limits	RPD	Limít	Notes

### Batch B7E1706 - EPA 5030B P & T

Blank (B7E1706-BLK1)			Ŧ				Pre	pared.	& A1	alyzed: (	5/17/07			
Benzene			ND		1.0	µg/L						 -1-		
Bromobenzene		X	ND	-	1.0	н								
Bromochloromethane			ND		1,0	a	*					-		
Bromodichloromethane			ND		1.0	¥f.								4
Bromoform			ND	•	1.0	и	44							
Bromomethane			ND		1,0									
n-Butylbenzene			ND		1.0	p.								
sec-Butylbenzene			ND	7 E	1.0	p d								+
tert-Butylbenzene			ND		1.0									
Carbon tetrachloride	1		ND		1.0	) — (c				-5:				
Chlorobenzene			ND		1.0	и								
Chloroethane			ND	*	1.0	Ħ								
Chloroform			ND		1,0	. "							-1-	
Chloremethane			ND		1.0	ø								
2-Chlorotoluene	-32	ž.	ND		1,0	"								
4-Chlorotoluene			ND		1.0	10								
Dibromochloromethane			ND	- 33	1,0	H								
1,2-Dibromo-3-chloropropane			ND '		5.0	21				-				
1,2-Dibromoethane (EDB)	<i>a)</i>		ND		1.0	n						¥1		
Dibromomethane			ND		1.0	D.				4.		- "		
1,2-Dichlorobenzene	-1-		ND		1.0							× - ÷ -		
1,3-Dichlorobenzene			ND		1.0									
1,4-Dichlorobenzene			ND		1.0	19								
Dichlorodiffuoromethane			ND		1.0	11								
1,1-Dichloroethane			ND	- 12-	1.0	**								
1,2-Dichloroethane			ND		1.0	ч				- 1				
1,1-Dichloroethene			ND		1.0	*								
cis-1,2-Dichloroethene			ND	- 1	1.0	-				- 31				
trans-1,2-Dichtoroethene			ND		1.0	1P								
1,2-Dichloropropano			ND		1.0	R	*							
1,3-Dichloropropane	44		ND		1.0	17								
2,2-Dichloropropane	2 1		ND		0.1	II.								
1,1-Dichloropropene	*		ND		1.0			*						
cis-1,3-Dichloropropene			ND		1.0	"								
trans-1,3-Dichloropropene			ND		1.0									
Ethylbenzene			ND		1,0									
Hexachiorobutadiene	•		ND		1.0	11								



Project: APC

Project Number: H0287D030

Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

## Sierra Analytical Labs, Inc.

A	-	. Deserte		Reporting Limit	Units	Spike Level	Source	0/DEG	%REC	RPD	RPD	). ).
Analyte		Result		Tittill	Units	TEACI	Result	%REC	Limits	MAD.	Limit	Notes
Batch B7E1706 - EPA 5030B P	& T	0			<i>*</i>	786		*			·	
Blank (B7E1706-BLK1)				-1-		Prepared	& Analyz	ed: 05/17/0	07			
sopropylbenzene	:	ND		1.0	μg/L							
-Isopropyltoluene		ND		1.0	H	•		4				
Methylene chloride		ND		1.0	ч		-1-					
victhyl tort-butyl ether		ND		1.0	79							
Vaphthalene		ND	S	1.0	41							
-Propylbenzene		- ND		1.0	11							
Styrene		ND		0.1	41							
,1,1,2-Tetrachloroethane		ND		1.0	H)		(1)					
1,1,2,2-Terrachloroethane		ND		1.0	. 20							-
Tetrachioroethene	-00	ND		1.0	10			W V			4	
Coluene		ND		1.0	ii.							
,2,3-Trichlorobenzene		ND		1.0	н							
,2,4-Trichlorobenzene		ND		1.0	п						-	
,1,1-Trichloroethane	-	ND		1.0								
,1,2-Trichloroethane		ND		1.0	ŧ		- 20					
richloroethene		ND		1.0	11							
Trichlorofluoromethane		ND		1.0	11						+ 1	
,2,3-Trichloropropane		ND		1.0	11			-1				
,2,4-Trimethylbenzene		ND		1.0	* 10							
,3,5-Trimethylbenzene		ND		1.0	19							
/inyl chloride		ND		1,0	19							
n,p-Xylene		ND		1.0	h							170
-Xylene		ND		1.0	*							
urrogaie: Dibromafluoromethane		52.8		1	. 4	50.0		106	86-118			
harogate: Toluene-d8		49.2			11	50.0		98.4	88-110			
urrogaie: 4-Bromofluorobenzene		57.2			er	50.0	<b>.</b>	114	86-115			
Hank (B7E1706-BLK2)					*	Prepared	05/17/07	Analyzed	: 05/18/07			
lenzene		ND		1.0	µg/L	<u> </u>					•	
Bromobenzene		ND		1.0	It	-2-						
Bromochloromethane		ND		1.0	m							
Bromodichloromethane		ND		1.0	H							
Fromoform		ND		1.0	11		-1-					÷
Promomethane		ND		1.0	10					-		
-Butylbenzene		ND		1,0	17							
éc-Butylbenzene		ND		1,0			** x 0	1+1				
ert-Butylbenzene		ND		1.0	.,	- 4						

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Worley Parsons Komex

Blank (B7E1706-BLK2)

trans-1,3-Dichloropropene

Hexachlorobutadiene

Isopropylbenzene

p-Isopropyltoluene

Methylene chloride

Methyl tert-butyl other

1,1,1,2-Tetrachloroethane

1,1,2,2-Tetrachloroethane

Ethylbenzene

Naphthalene

Styrene

n-Propylbonzeno

3901 Vla Oro Avenue, Suite 100 Long Beach CA, 90810-1800

Batch B7E1706 - EPA 5030B P & T

Project. APC

Project Number: H0287D030 Project Manager: Lee Paprocki Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Sierra Analytical Labs, Inc.

		Reporting		Spike	Source		%REC	×	RPD	
Analyte	Result	Limit	Units	Lavel	Result	%RBC	Limits	RPD	Limit	Notes
				100						

Prepared: 05/17/07 Analyzed: 05/18/07

Carbon tetrachloride		ND		1.0	µg/L							 			
Chlorobenzene		ND		1.0	20				Ξ						
Chloroethane		ND	i .	1.0	ıd										
Chloroform		ND		1.0	. 11										
Chloromethane		- ND	1-1-3	1.0	п										
2-Chlorotoluene		ND		1.0	, 11-										
4-Chlorotoluene		ND		1.0	II.		- ±						*	-	*
Dibromochloromethane		ND	i	1.0											
1,2-Dibromo-3-chloropropane	*	ND		5.0		×					* ,				
1,2-Dibromoethane (EDB)		ND		1.0	d				Ξ						*
Dibromomethane		ND		1.0	n						. *				
1,2-Dichlorobenzene		ND		0.1	•			- 34							
1,3-Dichlorobenzene	1	ND		1,0	•			×		4					
1,4-Dichlorobenzene		ND		1.0	•										
Dichlorodifluoromethane		ND		1.0	- n **										
1,1-Dichloroethane		ND		1.0	0				*						
1,2-Dichloroethane		ND	0.20	1,0		4.5							H		
1,1-Dichlorouthene		ND		1.0	Ħ									* .	
ois-1,2-Dichleroethene		ND		0,1	Đ.										
trans-1,2-Dichloroethene		ND		1.0	11:										
1,2-Dichloropropane		ND		1.0	10	*		•	-20						
1,3-Dichloropropane		ND		1.0	A ×	+				*		0		41	
2,2-Dichloropropane		ND		1.0	11.0							*			
1,1-Dichloropropone	-	ND	α.	1.0	41										
cia-1,3-Dichtoropropene		ND		1.0	H .										

ND

ND ND

ND

ND

ND

ND

ND

ND

ND

1.0

1.0

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1,0

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Project Number: H0287D030 Project Manager: Lee Paprocki

Reported: 05/25/07 09:04

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

## Sierra Analytical Labs, Inc.

			Reporting		Spike	Source		%REC	RPD	
Analyte	4.3	Resuit	Limit	Units	Level	Result	%REC	Limits	RPD Limit	Notes

					Prepared:	05/17/07	Analyze	d: 05/18/07		
	7	4D	1.0	μg/L,					*	
	. 1	D.	1,0	H						
	N	ID .	1.0	"						
×	7	m .	1.0	в н			-			
	7	4D	1.0	11						
	. 1	ĮD.	1.0	т п				*		
	1	Œ	1.0	Ĥ						
	. 1	ID ·	1.0	, R.				-		
	. 1	Œ	1,0	13						
		(D	1.0	W						
	N	ID .	1,0	11	+	ż				
	1	ND -	1.0	u						- *
	N	ND :	1.0	11	4					
	× 1	Ð	1.0	11						-1-
	51	1.9		"	50.0	E.J.	104	86-118		*
	52	2.7		"	50,0		105	88-110		
	57	7.0		*	50.0		114	86-115	(4)	
••					Prepared	& Analyzed	1: 05/17.	/07		
	40	).7	1.0	μg/L	50.0		81.4	80-120	<u> </u>	
	57	7.1	1.0	ц	50.0		114	80-120		
5	46	5.7	1.0	4	50.0		93.4	80-120		*
- *	45	1.3	1.0	0.0	50.0		90.2	80-120		-
	47	7.1	1.0	· p	50.0		94.2	80-120		
	-1-				Prepared	& Analyzed	1: 05/17/	/07		
	43	.3	1.0	μg/L,	50.0		86.6	80-120		
	57	1.1	1.0	17	50.0		114	80-120		
	47	7.9	1.0	п	50,0		95.8	80-120		
	45	5.3	1,0	li .	50.0		90.6	80-120		
	44	1.4	1.0		50,0		88.8	80-120		
		40 43 43 43 44 43 44 44 45 47	ND N	ND 1.0 40.7 1.0 57.1 1.0 46.7 1.0 45.1 1.0 47.1 1.0 47.1 1.0 47.1 1.0 47.1 1.0 47.9 1.0 45.3 1.0	ND 1.0 "  A40.7 "  57.1 1.0 "  46.7 1.0 "  45.1 1.0 "  47.1 1.0 "  47.1 1.0 "  47.9 1.0 "  45.3 1.0 "	ND 1.0 "  ND 51.9 " 50.0  S7.0 " 50.0  Prepared  40.7 1.0 "  40.7 1.0 "  51.9 " 50.0  Prepared  40.7 1.0 "  50.0 "  Prepared  43.3 1.0 "  43.3 1.0 "  47.9 1.0 "  50.0  45.0  45.1 1.0 "  50.0  47.9 1.0 "  50.0  45.0  47.9 1.0 "  50.0  45.0  45.0  45.0  45.0  45.0  50.0  45.0  50.0  45.0  50.0	ND 1.0 " ND 51.9 " 50.0  Prapared & Analyzed 40.7 1.0 " 50.0  46.7 1.0 " 50.0  45.1 1.0 " 50.0  47.1 1.0 " 50.0  Prepared & Analyzed 43.3 1.0 " 50.0  45.3 1.0 " 50.0  45.0 "  45.0 "  45.0 "  46.7 50.0 "  46.7 50.0 "  47.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0 "  48.1 50.0	ND 1.0 "  Frepared & Analyzed: 05/17  40.7 1.0 μg/L 50.0 81.4  57.1 1.0 " 50.0 93.4  45.1 1.0 " 50.0 90.2  47.1 1.0 " 50.0 94.2   Prepared & Analyzed: 05/17  43.3 1.0 μg/L 50.0 86.6  57.1 1.0 " 50.0 94.2   Prepared & Analyzed: 05/17  43.3 1.0 μg/L 50.0 86.6  57.1 1.0 " 50.0 95.8  45.3 1.0 " 50.0 90.6	ND 1.0 " ND	ND 1.0 "  S1.9 " 50.0 104 86-118 52.7 " 50.0 105 88-110 57.0 " 50.0 114 86-115   Prepared & Analyzed: 05/17/07  40.7 1.0 μg/L 50.0 81.4 80-120 45.1 1.0 " 50.0 93.4 80-120 45.1 1.0 " 50.0 90.2 80-120 47.1 1.0 " 50.0 94.2 80-120  Prepared & Analyzed: 05/17/07  43.3 1.0 μg/L 50.0 86.6 80-120 57.1 1.0 " 50.0 94.2 80-120  47.9 1.0 " 50.0 95.8 80-120 47.9 1.0 " 50.0 95.8 80-120 45.3 1.0 " 50.0 95.8 80-120

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety,



Project: APC

Project Number: H0287D030 -Project Manager: Lee Paprocki Reported: 05/25/07 09:04

# Volatile Organic Compounds by EPA Method 8260B - Quality Control Sierra Analytical Labs, Inc.

Analyte	Rosult	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B7E1706 - EPA 5030B P & T	_		-		*					
Matrix Spike (B7E1706-MS1)	So	urce: 070537	8-07	Prepared:	05/17/07	Analyzed	05/18/07		100 A	
Benzene	40,2	1,0	µg/L	50.0	ND	80.4	37-151			
Chlorobenzene	56.5	1.0	R	50.0	ND	113	37-160			
1,1-Dichloroethene	47,0	0.1	NT.	50.0	ND	94.0	50-150			
Toluene	44.5	1.0		50.0	ND	89.0	47-150			
Trichloroethene	50.4	1.0	*	50.0	ИD	101	71-157		į.	
Matrix Spike (B7E1706-MS2)	So	urce: 070 <b>53</b> 7	7-09	Prepared:	05/17/07	Analyzed	05/18/07			
Benzene	40.3	0,1	µg/L	50,0	ND	80.6	37-151			
Chlorobenzene	58.2	1.0	н	50.0	ND	116	37-160			
1,1-Dichloroethene	46.0	1.0	*	50.0	ND	92,0	50-150			
Toluene	43,3	1.0	w	50.0	ND	86.6	47-150			4
Trichloroethene	50.2	0,1	W	50.0	ND	100	71-157			
Matrix Spike Dup (B7E1706-MSD1)	Se	arce: 070537	8-07	Prepared:	05/17/07	Analyzed	: 05/18/07			
Benzene	42.7	1.0	μg/L	50.0	ND.	85.4	37-151	5.03	30	
Chlorobenzene	60.4	1.0	4	50,0	ND	121	37-160	6.67	30	
1,1-Dichloroethene	49.4	1.0		50,0	ND	98,8	50-150	4.98	30	
Toluene	47.0	1.0	я	50.0	ND	94.0	47-150	5.46	30	
Trichloroethene	54.0	1.0	ĸ	50.0	ND	108	71-157	6.90	30	21
Matrix Spike Dup (B7E1706-MSD2)	So	urce: 070537	7-09	Prepared:	05/17/07	Analyzed	05/18/07			*
Benzene	36.0	1.0	μg/L	50.0	ND	72.0	37-151	11.3	30	
Chlorobenzene	50.2	1.0	н	50,0	ND	100	37-160	14.8	30	
1,1-Dichloroethene	40.8	0,1	19	50.0	ND	81.6	50-150	12.0	30	
Tolnene	38.3	1.0	H	50.0	ND	76.6	47-150	12.3	30	
Trichloroethene	43,3	1.0	19	50,0	ND	86.6	71-157	14.8	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Worley Parsons Kornex

3901 Via Oro Avenue, Suite 100 Long Beach CA, 90810-1800 Project: APC

Project Number: H0287D030

Project Manager: Lee Paprocki

Reported; 05/25/07 09:04

#### Notes and Definitions

S-03 Surrogate diluted out.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



#### STERRAANALYTICAL

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Date: 5 16, 67 Page 1 of

Lab Project No.: 0705378 Client: Worky Parsons Kornex
Client Address: 3801 V/a 010 Are Sui Fe Voo
Lory Beach, CA 90910 Analysis Requested Client Project ID: Geotracker EDD Info: HO2870050/ARC 70% Immediate 24 Hour Turn Around Client LOGCODE Time Requested 48 Hour 72 Нопг 310 547 6400 Client Tel. No.: 5 Day 310 547 6500 Client Fax. No.: Mobile Site Global ID Paperchi 4360 Client Proj. Mgr.: Sierra No. of Container Field Point Names/ Client Sample ID. Matrix Preservative Date Time No. Containers Comments Type ILT VOKS ILTVERS 51610 950 FW HLL 3 MNI-51607 Oi MW2-51607 OZ. 0.30 MW3-51607 03 × 1105 3 11:50 ¥ MW41-51607 04 EB-51607 10:00 W/ 05 Veas FR-51607 **∿**∕ 06 10:05 3 V005 TB-51607 (C) Vous ØĐ. Sample Disposal: Sumpler Signature: 11 1 MM 1774 Total Number of Containers Submitted to Shipped Via: Laboratory Return to Client (Carrier/Waybill No. The delivery of samples and the signature on this chain of custody form constitute authorization to perform the analysis specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT COMPONEY PUSONS KOME * - Samples determined to be hazardous by SIERRA will be returned to CLIENT. Archive _____ Sー(しつ) Date: Total Number of Containers Received Received By: Other by Laboratory (63) Sierra Company: FOR LABORATORY USE ONLY - Sample Receipt Conditions: Relinquished By: Received By: 4-00 Ø Chilled - Temp. (°C) _ Intact Company: Time: Preservatives - Verified By ___ Special Instructions:
EDD 10 Susain Herman Sample Seals Properly Labelled bill to PO KP 15247 Appropriate Sample Container Storage Location_